

20000120.qrp v01_n706.qrl.20000120

Date: Thu, 20 Jan 2000 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1706

QRP-L Digest 1706

Topics covered in this issue include:

- 1) [60814] Indoor antennas
by "Eddie" <Eddie@nac.net>
- 2) [60815] Very High Speed Op-Amps
by "Brad Hernlem" <alihernlem@hotmail.com>
- 3) [60816] Mark Korchinski is out of the office.
by Mark_Korchinski@hc-sc.gc.ca
- 4) [60817] New Key just right for field day or bicycle QRP.
by neil <neil@aade.com>
- 5) [60818] FS: Heath es Iambic Paddle
by "J. Ervin Bates" <w8erv@email.msn.com>
- 6) [60819] Re: Blocking Diode Help
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 7) [60820] Tuner ZM-2: max radiated power
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 8) [60821] Re: Pacificon dates/logistics?????
by Bob Hightower <ki7mn@extremezone.com>
- 9) [60822] Re: Portable CD-Player/Cassette Adapter
by "Ray Sills" <raysills@castle.net>
- 10) [60823] Re: Ft. Tuthill Dates?
by Bob Hightower <ki7mn@extremezone.com>
- 11) [60824] Re: Letter to the FCC, not I believe O.T....
by "Brian P. Milesosky" <n5zgt@swcp.com>
- 12) [60825] HB:Logo Query
by Pete Burbank <plburbank@kih.net>
- 13) [60826] Re: Tuner ZM-2.
by Ed Loranger <we6w@netzero.net>
- 14) [60827] Re: AD8361 - Neat Chip?Yes but AD8307 Better!
by Luke Enriquez <luke@trio.com.au>
- 15) [60828] Using 75 ohm CATV for feedline
by Monte Stark <ku7y@dri.edu>
- 16) [60829] Re: Tuner ZM-2.
by "Arthur G. Silvers" <ags@ieee.org>
- 17) [60830] Iowa QRP Net
by markmilburn <markmilburn@netzero.net>
- 18) [60831] Re: Red Hot Radios - RH 40 and RH NorCal 20 - Tips/Review (Lengthy)
by "Brian K. Miller" <millerbk@lancnews.infi.net>
- 19) [60832] BCK

- by "Jay Bromley" <w5jay@alltel.net>
- 20) [60833] Re: Tuner ZM-2.
by "Don Wilhelm" <w3fpr@arrl.net>
- 21) [60834] QRPowWow - Operating Event Called Off
by Bob Kellogg <ae4ic@nr.infi.net>
- 22) [60835] Alinco DX-70T and QRP
by "MGTGAZ" <gustoff@access1.net>
- 23) [60836] 160m
by "Jay Bromley" <w5jay@alltel.net>
- 24) [60837] Re: A Really Juicy CW Note
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 25) [60838] Re: A Really Juicy CW Note
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 26) [60839] 80 Meter CW QRP Activity
by NM5Mike@aol.com
- 27) [60840] allband tuner
by "Randall M. Payne" <randyp@strato.net>
- 28) [60841] RE: Very High Speed Op-Amps
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 29) [60842] Re: PROP: 160M (AGAIN)
by "Bob Tellefsen" <n6wg@earthlink.net>
- 30) [60843] RE: Scanning articles and posting to WWW might bring
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 31) [60844] Re: Using 75 ohm CATV for feedline
by "Mike Yetsko" <myetsko@insydesw.com>
- 32) [60845] Re: Tuner ZM-2.
by "Bob Tellefsen" <n6wg@earthlink.net>
- 33) [60846] Post Foxhunt Lunacy
by n5ib@juno.com
- 34) [60847] RE:A follow-up post on article copyright
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 35) [60848] Re: Norcal 40 power output?
by "Frank Krozel" <frank@electronicinstrument.com>
- 36) [60849] Re: BCK
by Monte Stark <ku7y@dri.edu>
- 37) [60850] Re: Tuner ZM-2.
by Dick Carroll <dixie@townsqsr.com>
- 38) [60851] Re:300 OHM R/S feedline test numbers.
by Ed Loranger <we6w@netzero.net>
- 39) [60852] Feedline tests
by Monte Stark <ku7y@dri.edu>
- 40) [60853] Re: ZM-2 discussion
by gsurrency@juno.com
- 41) [60854] Fancy Radios and Filters -- LONG
by Monte Stark <ku7y@dri.edu>
- 42) [60855] DSW-20 CW Frequency Speed Adjustment
by "Karl B. Staddon" <ve6kbs@agt.net>
- 43) [60856] Going Solar

by Normk9nk@aol.com

44) [60857] QSL envelopes????
by osier <osier@northnet.org>

45) [60858] OT: Juicy CW note
by "Juan Jose Pastor Estornell" <juanjope@ctv.es>

46) [60859] Yet another antenna build and tryout at WB9MII
by WB9MII@aol.com

47) [60860] Re: AD8361 - followup
by "Leon Heller" <leon_heller@hotmail.com>

48) [60861] Re: QSL envelopes????
by "Ron Polityka" <wb3aal@talon.net>

49) [60862] Re: QSL envelopes????
by Arjen Raateland <Arjen.Raateland@vyh.fi>

50) [60863] Re: QSL envelopes???? (My Most Probable Answer...)
by Sylvester <cqsly@tm.net.my>

51) [60864] Re: Fancy Radios and Filters -- LONG
by Dave Fifield <fifield@pacbell.net>

52) [60865] Re: QSL envelopes????
by Bruce Muscolino <w6toy@erols.com>

53) [60866] Re: DSW-20 CW Frequency Speed Adjustment
by Mike <mmorrow@companet.net>

54) [60867] Re: Fancy Radios and Filters -- LONG
by "Chuck Carpenter" <w5usj@globeco.net>

55) [60868] Re: BCK
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>

56) [60869] Re: KITS: DSW CW Frequency Speed Adjustment
by "David Benson" <nn1g@earthlink.net>

57) [60870]
by "Jeff Hahn" <kr4ys@hotmail.com>

58) [60871] Re: QSL envelopes????
by James Skalski <jskalski@localnet.com>

59) [60872] Re: BCK
by Thomas Kuehl <ac7a@gci-net.com>

60) [60873] RE: "Tuner ZM-2: max radiated power"
by Nils R Young <nilsbull@juno.com>

61) [60874] Re: Using 75 ohm CATV for feedline
by Zack Lau <zlau@arrl.org>

62) [60875] Re: Fancy Radios and Filters -- LONG
by Chris Cartwright Sr <ccart@phideaux.com>

63) [60876] Great meeting with KI6DS and AD6A
by "George Heron N2APB" <n2apb@erols.com>

64) [60877] Re: 80 Meter CW QRP Activity
by af852@rgfn.epcc.edu (William R Colbert)

65) [60878] Re: QSL envelopes????
by "Steve Sorrell" <ap036@detroit.freenet.org>

66) [60879] Re: AD8361 - Neat Chip?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

67) [60880] Re: BCK

by "Francis Callahan" <colcal@srv.net>
68) [60881] Re: BCK
by "Howard Myers" <howardw7ilw@cableone.net>
69) [60882] Film Can Transmatch formulas
by Bill Jones <kd7s@psnw.com>
70) [60883] Re: DSW-20 CW Frequency Speed Adjustment
by igeq100@iupui.edu
71) [60884] FYBO rules help needed
by "Draper, Bruce L" <draperbl@sandia.gov>
72) [60885] Re: BCK
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
73) [60886] TYPE R 1147 A info?
by Niels Jensen Kristjansson <nkristja@cadvision.com>
74) [60887] Re: FYBO rules help needed
by Roger Hightower <n7kt@earthlink.net>
75) [60888] RE: TYPE R 1147 A info?
by "Morrow, Michael A." <mamorrow@tva.gov>
76) [60889] WM-2
by Jim Golden <Jim.Golden@hmsc.orst.edu>
77) [60890] Re: WM-2
by "Jay Bromley" <w5jay@alltel.net>
78) [60891] Re: AD8361 - Neat Chip?
by "Steven Weber" <kd1jv@moose.ncia.net>
79) [60892] WM-2 Thanks!
by Jim Golden <Jim.Golden@hmsc.orst.edu>
80) [60893] Re: ZM-2 discussion
by Bill Jones <kd7s@psnw.com>
81) [60894] QRP Afield and QRPTTF
by Roger Hightower <n7kt@earthlink.net>
82) [60895] Mounting AD8361 - Soldering by Microscope
by "Jim, WD9EYB" <wd9eyb@butler.indiana.net>
83) [60896] Fw: BCK
by "Dan Wolfe" <n4roa@mounet.com>
84) [60897] AD8307
by "Jim, WD9EYB" <wd9eyb@butler.indiana.net>
85) [60898] Re: WM-2
by "KC1DI-DOR" <ELBC@PIVOT.NET>
86) [60899] XCVR: toroid winding help needed for RHR40/NC20.
by Allan G Taylor <agtaylor@llnl.gov>
87) [60900] CONTEST: QRP Calendar - This Weekend
by Ken Newman <N2CQ@citnet.com>
88) [60901] Sierra and PSK31
by Jim Golden <Jim.Golden@hmsc.orst.edu>
89) [60902] Re: Letter to the FCC, not I believe O.T....
by "Mike Yetsko" <myetsko@insydesw.com>
90) [60903] Somedays Linear, Somedays Log
by wd9eyb@butler.indiana.net
91) [60904] Re: Going Solar

by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
92) [60905] email address
by Marv Fagenson <k6hcj@juno.com>
93) [60906] Solar Chargers
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
94) [60907] Re: Using 75 ohm CATV for feedline
by "John Moriarity" <k6qq@hdo.net>
95) [60908] Re: Sierra and PSK31
by "KC1DI-DOR" <ELBC@PIVOT.NET>
96) [60909] FAA Beacon ?
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
97) [60910] Re: WM-2
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
98) [60911] Re:HW8 bitz (Broken rotor)
by K1DXradio@aol.com
99) [60912] Re: WM-2
by James Skalski <jskalski@localnet.com>
100) [60913] FS: TEN-TEC SCOUT
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
101) [60914] FAA Beacon BCK
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
102) [60915] More BCK
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
103) [60916] HB: ECG235/SK3197 for qrp ?
by Michael Melland <badger@vbe.com>
104) [60917] HB: Nice,Easy & Handy RF sampler
by Michael Melland <badger@vbe.com>
105) [60918] Pixie?
by Bryan Koen <bryan@koen.net>
106) [60919] Re: Tuner ZM-2.
by "John Moriarity" <k6qq@hdo.net>
107) [60920] New Test Out!
by "Phinizy, William" <wphinizy@filenet.com>
108) [60921] RE: Pixie?
by Sam Billingsley <SBillingsley@usaninc.com>
109) [60922] Re: Scanning articles and posting to WWW might bring trouble
by Laura Halliday <lha@sdr.utias.utoronto.ca>
110) [60923] Re: Using 75 ohm CATV for feedline
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
111) [60924] Re: New Test Out!
by "Francis Callahan" <colcal@srv.net>
112) [60925] Re: Using 75 ohm CATV for feedline CORRECTION
by "John Moriarity" <k6qq@hdo.net>
113) [60926]
by Marv Fagenson <k6hcj@juno.com>

Date: Wed, 19 Jan 2000 19:00:34 -0500
From: "Eddie" <Eddie@nac.net>
To: <qrp-1@lehigh.edu>
Subject: [60814] Indoor antennas
Message-ID: <003801bf62d9\$607a0d20\$90747bd1@eddiepc>

I thank everyone who responded to my inquiry about indoor antennas. Really appreciated. I guess I have some thinking to do as there are many choices

Date: Wed, 19 Jan 2000 16:06:16 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [60815] Very High Speed Op-Amps
Message-ID: <20000120000616.17200.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dear QRP-ers,

Would any of you like to make suggestions for high bandwidth (i.e. ≥ 100 MHz) op-amps for HB RF applications? What would be good for constructing RF active filters? Which are readily available (and hopefully cheap(ish))?

Thanx,

Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 19 Jan 2000 19:06:56 -0500
From: Mark_Korchinski@hc-sc.gc.ca
To: qrp-1@Lehigh.EDU
Subject: [60816] Mark Korchinski is out of the office.
Message-ID: <8525686C.00006E3B.00@smta00.hc-sc.gc.ca>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I will be out of the office from 2000/01/19 until 2000/01/31.

I am out of the office until January 31.

Cheers,
Mark K.

Date: Wed, 19 Jan 2000 16:20:05 -0800
From: neil <neil@aaade.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60817] New Key just right for field day or bicycle QRP.
Message-ID: <388654B5.6AC70E74@aaade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://auctions.yahoo.com/auction/15585967>
Not mine. Just mentioned it for fun. Fun is OK isn't it.

--
Neil
<http://www.aaade.com>
<mailto:neil@aaade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Wed, 19 Jan 2000 19:27:34 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60818] FS: Heath es Iambic Paddle
Message-ID: <014901bf62dd\$25db80a0\$29451b3f@win98>

Hi gang:

Been cleaning up some of the extra goodies around the shack and have the following for sale. All items are in good to excellent condition and require \$10 for shipping and insurance CONUS. Please email any questions direct and thanks.

Heathkit HD-15 Hybid Phone Patch \$20

Heathkit HM-15 Ref. Wattmeter \$25
Vibroplex Brass Racer (triangular) EK-1 \$70

72,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

Date: Wed, 19 Jan 2000 17:56:12 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60819] Re: Blocking Diode Help
Message-ID: <002c01bf62d8\$c4a6ffc0\$552ab4d0@Bleh.Bleh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm currently building a Red Hot 20 and so was recently admiring the blocking diode it uses. It's a big ole 1N5822. Since it's a schottky, you'll lose a few tenths of a volt less than a silicon would. And judging from it's physical size I'm sure it's good for more than an amp.

72,

Nick, WA5BDU
in Arkansas

>>
>
>

Date: 19 Jan 2000 19:43:26 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-1;;
Subject: [60820] Tuner ZM-2: max radiated power
Message-ID: <2000Jan19.194326-0500@[130.113.234.7]>

In Ed's post about tinkering with the ZM-2 tuner - he got more RF field strength when the tuner's SWR indicator was a little off the null point.

There's a lesson here.

First, Ed is using a field strength meter to show when he's RADIATING max signal from his Xmitter. Second, he trusts the field strength more than his SWR indicator. He's done good.

We all assume that a 50 ohm load on our rig will give us max power out. That's not necessarily the case (although it oughta be close)....

Most of our rigs use low-Q fixed tuned output filters. Many filter inductors are wound on toroid cores. If you know anything about toroids, you'll know that the resulting variation of inductance is rather wide. Thus the output filter can be a little off optimum. And we also might vary our DC power supply anywhere between 10 volts up to 15 volts. And our rigs might have an on-board "power out" pot to adjust the drive to the final amp.

These all affect how the power amp transfers DC power into RF power. And they'll all modify the optimum load Z - "optimum load Z" accepts the most RF power from our Xmitter.

I hope not to tease you by quitting here - but nonlinear (Class C or other) amps are pretty complex. Describing how each affects optimum load Z would fill a book. Guess my point is that 1:1 SWR isn't the whole story.

expecting some heat - Glen VE3DNL

Date: Wed, 19 Jan 2000 18:13:16 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: gustoff@access1.net
Cc: qrp-1@lehigh.edu
Subject: [60821] Re: Pacificon dates/logistics?????
Message-ID: <200001200110.SAA21260@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:14 AM 1/19/00 -0700, you wrote:

>

> Any info on this years event yet? Is there a web page for the event?

Might try looking it up on the net. Last year, I found it under Pacificon '98, so it might be there.

Bob Hightower KI7MN
Chandler, AZ

<http://www.extremezone.com/~ki7mn>

Date: Wed, 19 Jan 2000 20:20:51 -0500
From: "Ray Sills" <raysills@castle.net>
To: qrp <qrp-1@lehigh.edu>
Subject: [60822] Re: Portable CD-Player/Cassette Adapter
Message-ID: <200001200121.UAA25911@nile.intac.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

OR... you could use an RF device to feed the car's broadcast radio. Radio Shack has a battery powered FM unit to "broadcast" your CD player to your car radio.

73 de Ray

>From: Karl Kanalz <KKanalz@excel.com>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Portable CD-Player/Cassette Adapter
>Date: Mon, Jan 17, 2000, 12:22 PM
>

>Potential users of this method of obtaining tons of audio via their
>automobile's
>cassette/stereo system should be aware that inserting the "coupler cassette"
>into the cassette slot for most automotive radios turns on the capstan and
>take-up motors (which increases the wear and tear on the tape mechanism).
>
>A better way would be to build "proper audio stages" into the radio or other
>external device.
>
>Karl K - W8TIF
>McKinney, Texas
>

Date: Wed, 19 Jan 2000 18:25:56 -0700

From: Bob Hightower <ki7mn@extremezone.com>
To: vintage@best.com
Cc: qrp-1@lehigh.edu
Subject: [60823] Re: Ft. Tuthill Dates?
Message-ID: <200001200123.SAA24614@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:57 AM 1/19/00 -0800, Bob W3CD wrote:

>Hi Gang,
>
> Sorry to interrupt the copyright angst in progress, but I'm making
>vacation plans for the year and would like to know what the dates are for
>this year's Ft. Tuthill fest. Can anyone provide this plus camping info?
>

It's the last full weekend in July, so this year it falls on the 28th-30th.
Camping will be in the group campground, and Jeff will have more info on
that early next month. Plenty of space, so please plan to be there. Got
something new for you this year, and we think you'll like it.

Bob Hightower KI7MN
Chandler, AZ

<http://www.extremezone.com/~ki7mn>

Date: Wed, 19 Jan 2000 18:34:24 -0700
From: "Brian P. Milesosky" <n5zgt@swcp.com>
To: <tscott@eni.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60824] Re: Letter to the FCC, not I believe O.T....
Message-ID: <005501bf62e6\$7cf081c0\$560586cc@hlw11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom, and Fellow QRPers,

Good letter. You may be interested in <http://www.qsl.net/n5lf/>, where
there is
a VERY VERY well written petition of reconsideration to the FCC's
recent report and order on Amateur restructuring. I've printed it and have
created a page with signature slots, and am going to let people sign it
at an upcoming swapfest Albuquerque is having.

Check out the page and perhaps separately mention this petition when
sending your letter to the FCC. Spread the word about the petition, too,

and
don't waste too much time since the commenting period ends in the beginning
of February.

72,
Brian, N5ZGT

----- Original Message -----

From: Tom Scott <tscott@eni.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 19, 2000 4:13 PM
Subject: Letter to the FCC, not I believe O.T....

> I believe this is not O.T. in as much as it does relate to QRP and the
value
> of QRP radios to bringing young people into Amateur Radio and electronics.
>
> Below is the text of a letter that I have sent to each of the FCC
> Commissioners regarding the recent licensing changes. I believe that QRP
and
> QRP kit radios have a very large role to play in bringing young people
into
> Amateur Radio. But the new restructuring, while probably making it easier
to
> get into the more advanced license classes, has in fact made it more
> difficult for a young person to get into CW on HF.
>
> I suspect that - despite the many differences of opinion that may exist
over
> the restructuring - the vast majority of us feel like this facet of the
> restructuring is unfortunate. If you feel similarly, I would encourage you
> to sent your comments to the FCC.
>
> Thanks and 72
>
> My Comments to the FCC:
> I have a comment about what I believe may have been an un-intended
> consequence of the recent Amateur Radio License restructuring.
>
> First let me say that in general I think the changes are warranted and may
> bring in many new radio amateurs especially like myself those from the
ranks
> of working electronics engineers for whom Morse Code was an impediment.
The
> only concern I have about the change is the new impediment it creates for
> entry level people, especially young people.

>
> I am going to be teaching a high school level Amateur Radio and QRP class
> next year at a local small Christian high school where my son attends. We
> expect to have about 12 students who will learn about amateur radio, study
> morse code, and build a low power HF CW transceiver and get on the air.
The
> final exam for the course will consist of passing the FCC license exam,
> successfully building the single board transceiver kit, and have a QSO
with
> me on the air. Unfortunately -- as I understand the new licensing
> structure -- this will now require TWO written tests as well as the 5 wpm
CW
> test to be able to use CW on HF (probably 40m). Under the old system the
> Novice class license was an ideal entry level for young people wanting to
> get started in Amateur Radio, consisting of a simpler written test and
5wpm
> and earning them limited access to HF. Novice was a perfect way to get
> started. We could start with the Technician license now, but the written
> test has traditionally been more challenging, and the higher frequency of
> VHF / UHF radios, as well as the complexity of FM (the dominant mode)
makes
> them more challenging to build than a kit for an HF CW QRP radio. I can
> provide an entire Amateur Radio class with the HF kit for about a \$30 to
\$50
> lab fee. I'm sure you will agree that getting a dozen new young people
into
> amateur radio would be a good thing, but I'm very concerned that the new
> licensing structure will make that much more difficult.
>
> As a suggestion, Perhaps you could modify it just slightly to allow the
> technician license access to the old Novice bands of HF if they pass the 5
> wpm test, without really creating another class of license. In other
words,
> the Technician Class License would have only VHF and UHF privileges unless
> the holder also passed the 5wpm CW test, in which case they would gain
> access to what used to be known as the Novice HF bands for CW.
>
> Thank you very much for your consideration. I realize you are probably
> inundated with all manner of feedback on the recent changes, some of it
> probably quite irate, so I understand that it is asking a lot to request a
> response to this letter, but I would be extremely interested in your
> feedback to this issue. I don't think anyone wants to inhibit the entrance
> of young people into the ranks of Amateur Radio, but the new changes will
> I'm afraid have that unintended consequence.
>
> Respectfully,
>
> Tom Scott, KD7DMH

sources and 52 dB return loss loads for testing. In the real world of affordable equipment we return to 'nominal' values +/- affordability. Har.

I do know that with each attempt at measurements and the ensuing discussion, learning happens. All due to the cultivating minds working together here to question and offer solutions. Awesome.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Thu, 20 Jan 2000 13:04:30 +1100
From: Luke Enriquez <luke@trio.com.au>
To: hybiske@generalatronics.com
Cc: wd9eyb@butler.indiana.net, qrp-1@Lehigh.EDU
Subject: [60827] Re: AD8361 - Neat Chip?Yes but AD8307 Better!
Message-ID: <200001200205.VAA65176@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gents,

>> Is the AD8361 a neat chip?
>> <http://www.analog.com/TruPwr/>
.> Has anyone used one yet?
>
>Yes it is, and no I haven't, but I have a sample and a workbook on order.
>I'm not sure when I'll get around to doing the circuit, but when I do I'll
>report back to the group. This looks like a super device to use for QRP
>power readings. Remember though that this chip is small, really small, at
>approximately an 1/8 of an inch square (.122 x .193) with pins less than
>1/32 of an inch apart (.025). I plan to use it dead bug style and bend
>every other pin up. Another consideration is converting or displaying the
>output voltage as a convenient power reading. I'm thinking of marking up the
>face of a large meter and maybe use a voltage to current IC. Do have any

>ideas on how we could apply this device to QRP?

I know the type of application your looking for, but can I reconmend you both look at the AD8307 Log Detector. It comes in S0-8 and DIP-8 packages, is linear in dB from -80dBm to +10dBm, is 0.5dBm accurate, and not too expensive.

I am currently working on an AD8307 power measurement project, using an ADC and PIC micro to display either dBm's or watts on an LCD.

What do you think?

Regards,
Luke

Luke Enriquez (VK3EM) Trio Communications 2000 Pty. Ltd.
Electronics Design Engineer. 41 Aster Ave.
B.Eng (Comms) Hon. Carrum Downs, Victoria. 3201
03-9775-0505 (BH) Australia
0414-679-432 (Mob) <http://www.trio.com.au>

Date: Wed, 19 Jan 2000 18:19:18 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60828] Using 75 ohm CATV for feedline
Message-ID: <Pine.GS0.4.10.10001191810100.3038-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

This seems like a good place to toss this out.

What do you do if you have a rig that has a 50 ohm output and an antenna that is also 50 ohm but you have this nice spool of CATV 75 ohm hardline???

Yes, you could use a tuner. (That's how I do it).

But some don't like the losses from a tuner. Others don't like the time needed to tune.

If you cut your feedline at a multiple of a 1/2 wave (on the lowest band for a multi band antenna) then your rig will see a 50 ohm load and be happy and the antenna

will see a 50 ohm source and also be happy.

The coax will have an SWR of 1.5 to 1 which is just fine.

(That half wave is the electrical 1/2 wave, not just done with a ruler!) But this is very easy now if you have one of the MFJ or similar meters.

Another good reason to use high quality, cheap (often free) feedline!

Enjoy,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 19 Jan 2000 16:44:21 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: Don Wilhelm <w3fpr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60829] Re: Tuner ZM-2.
Message-ID: <38865A65.B0B13B2B@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Don and interested others,

>the SWR on the is determined by the LOAD and not by the source.

My apologies for perhaps a poor choice of words. I did not mean to imply that a source to line impedance mismatch could set up standing waves on the line. In fact, if you follow the threat closely you will note that I am arguing to the contrary.

> Now what does a tuner do? It can be looked at as an electrically variable
> length of transmission line.

Essentially, we are saying the same thing. Remember, impedance is the ratio of voltage to current and that ratio is not constant along a transmission line when SWR is present. We are not talking about

characteristic impedance in this case. Likewise to your statement above, a transmission line could be trimmed to accomplish the same result for a single frequency. The result is a match between the transmitter (source) and transmission line even in the presents of SWR on the line. Of course, trimming a transmission line for single frequency use to serve as an impedance transformer is not a trivial task.

72s

Arth W6AGS

Date: Wed, 19 Jan 2000 20:36:02 -0600
From: markmilburn <markmilburn@netzero.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [60830] Iowa QRP Net
Message-ID: <38867492.B4A446D3@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Band conditions were a little rough tonight, but we ended up with 12 check-ins on 40 meters and had a pretty good net after all. One participant was running one watt and doing a good job handling all that band noise and QRM.

Special thanks to KD4MSR, Scott, who checked in from Georgia and added to the proceedings. Come back often, Scott.

The 80 meter net wasn't so productive, but we had already spent over an hour on the air and I think some folks just got tired of listening to the band noise. We're working on how to handle the two different frequencies better.

Thanks to all who participated, and the welcome mat is out for those of you who would like to participate next week. We start on 7.110 (or thereabouts) at 7 PM Central Time, and then switch to 3.715 (or thereabouts) when the 40 meter net has finished. Come see.

72 Mark KQ0I
Des Moines, Iowa

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<http://www.netzero.net/download/index.html>

Date: Wed, 19 Jan 2000 21:41:56 -0500
From: "Brian K. Miller" <millerbk@lancnews.infi.net>
To: K5KW@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60831] Re: Red Hot Radios - RH 40 and RH NorCal 20 - Tips/Review
(Lengthy)
Message-ID: <388675F4.DAED5FDB@lancnews.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the tips, Don. They may come in useful to me as I just ordered a Red Hot 40.

Cheers!

72/73, Brian k3zen

K5KW@aol.com wrote:

> Gang,
>
> I'm posting some construction tips and this review, after a little
> good-natured nagging from Jay, W5JAY. I trust that others will benefit from

Date: Wed, 19 Jan 2000 20:59:49 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [60832] BCK
Message-ID: <002b01bf62f2\$6b4d50e0\$3b9b66a6@w5jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang does anyone know what the station on 1.812 sending BCK is, where, and why??

73 de w5jay..

Date: Wed, 19 Jan 2000 21:58:11 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <ags@ieee.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [60833] Re: Tuner ZM-2.
Message-ID: <008201bf62f2\$3bf3bbe0\$a1b17ed8@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Arth,

What you say is true - in fact somewhere out in cyberspace there is info on a "tuner" created by switching additional lengths of 450 ohm feedline onto a parallel fed antenna. It is not on L. B. Cebik's site - I just checked. Anyway, it is a neat tuning method for balanced line - and much more efficient than the popular antenna tuners, and being switchable, it can serve on multiple frequencies. Maybe someone will tell us where to find it.

73,

Don Wilhelm -Chapel Hill, NC
W3FPR QRP-L # 485 K2 SN 0020

>SNIP...

>a transmission line could be trimmed to accomplish the same result for a
>single frequency. The result is a match between the transmitter
>(source) and transmission line even in the presents of SWR on the line.
>Of course, trimming a transmission line for single frequency use to
>serve as an impedance transformer is not a trivial task.

>

>72s

>

>Arth W6AGS

>

Date: Wed, 19 Jan 2000 22:03:29 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [60834] QRPowWow - Operating Event Called Off
Message-ID: <3886A531.68045255@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

The QRPowWow operating event which I announced for Thursday evening has been called off due to the weather situation in the Raleigh area.

The Raleigh locals will still have the usual show and tell at the Golden Corral. Those of us who must travel to attend will do so advisedly.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Wed, 19 Jan 2000 20:14:10 -0700
From: "MGTGAZ" <gustoff@access1.net>
To: <qrp-1@Lehigh.edu>
Subject: [60835] Alinco DX-70T and QRP
Message-ID: <001b01bf62f4\$772021c0\$c75b96d1@office>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you to N2ZHY and WB2VUO for reminding me of the 50W/100W switch under the top cover in DX-70 to drop near QRP level.

However on my particular rig this takes me to a level of about 5W to 6.5W on the bands I operate. Would still like to tune down the power level with switch in Low setting.

Already pulled high power setting down to about 85W (when switch is in 100W position) by adjusting VR7, in order to correctly drive my amplifier. (Yes on rare occasions I go well beyond the purist QRPer).

Anyway, when I am at QRP level I do want to be at 5W or less and not 6 or 6-1/2, so am once again querying for any help as to which mini-pot may do this, and where it is in reference to the toggle switch on main board.

Thanks in advance for any help.
Mark
W07T/qrp

Date: Wed, 19 Jan 2000 21:19:08 -0600
From: "Jay Bromley" <w5jay@alltel.net>

To: <qrp-1@Lehigh.EDU>
Subject: [60836] 160m
Message-ID: <003101bf62f5\$1e0ad840\$3b9b66a6@w5jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang just ran into W4DEC, Larry on his K2 running QRO at 5 watts. Boy did he sound good! He also has a very good fist. Not sure about his antenna because of the usual 160 deep fade but I think he was using a inverted L maybe a vee at 55ft. This is fun stuff!!! I worked him the other night after NF0R and he was using 700 milliwatts then around 10 p.m. local.

Carefully tuning the 160m band, 73 de w5jay..

Date: Wed, 19 Jan 2000 22:27:09 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Karl Kanalz <KKanalz@excel.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60837] Re: A Really Juicy CW Note
Message-ID: <3886808D.8A2F8DBE@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Righto on the typo Karl. KWM-2A it was. It still sounded awful.

Karl Kanalz wrote:

>
> No such thing as a Collins Radio KWM-3A, Skip. Was that your
> Typo? (kwm2a?)
>
> Karl K - W8TIF
> McKinney, Texas
>
> -----Original Message-----
> From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]
> Sent: Tuesday, January 18, 2000 9:59 PM
> To: Low Power Amateur Radio Discussion
> Subject: Ref: A Really Juicy CW Note
>
> That reminds me of a less pleasant experience. Not too long ago I was
> cruising 40 for targets of opportunity when I heard this horrible whoopy
> buzzy sort of signal. Now I've heard some very "interesting" home brew

> signals over the years. I myself have put some circuits on the air that
> benefited from folks telling me that something needed a little help. I
> thought I was hearing a fellow home brewer and called back. During the
> exchange the guy went on to brag for many minutes about his Collins
> KWM-3A "The greatest rig ever made" and he went on and on about how
> wonderful it was and nothing could compare to it. Well... maybe if it
> had a few less stale tubes in it.

> --

> ++++++

>
> T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

>
> Website http://members.home.net/tjarey

>
> Snail Mail: PO Box 236, Beverly, NJ 08010

>
> Specialization is for insects! LAZARUS LONG

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website http://members.home.net/tjarey

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 19 Jan 2000 22:26:56 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Karl Kanalz <KKanalz@excel.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60838] Re: A Really Juicy CW Note
Message-ID: <38868080.807A70F4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Righto on the typo Karl. KWM-2A it was.

Karl Kanalz wrote:

>
> No such thing as a Collins Radio KWM-3A, Skip. Was that your
> Typo? (kwm2a?)
>

> Karl K - W8TIF
> McKinney, Texas

>

> -----Original Message-----

> From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]

> Sent: Tuesday, January 18, 2000 9:59 PM

> To: Low Power Amateur Radio Discussion

> Subject: Ref: A Really Juicy CW Note

>

> That reminds me of a less pleasant experience. Not too long ago I was
> cruising 40 for targets of opportunity when I heard this horrible whoopy
> buzzy sort of signal. Now I've heard some very "interesting" home brew
> signals over the years. I myself have put some circuits on the air that
> benefited from folks telling me that something needed a little help. I
> thought I was hearing a fellow home brewer and called back. During the
> exchange the guy went on to brag for many minutes about his Collins
> KWM-3A "The greatest rig ever made" and he went on and on about how
> wonderful it was and nothing could compare to it. Well... maybe if it
> had a few less stale tubes in it.

> --

> ++++++

>

> T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

>

> Website <http://members.home.net/tjarey>

>

> Snail Mail: PO Box 236, Beverly, NJ 08010

>

> Specialization is for insects! LAZARUS LONG

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 19 Jan 2000 22:29:38 EST

From: NM5Mike@aol.com

To: qrp-l@lehigh.edu

Subject: [60839] 80 Meter CW QRP Activity

Message-ID: <1d.61f42f.25b7db22@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Where do QRP operators tend to congregate on 80 meter cw ?

Regards,

Eric NM5M

Date: Wed, 19 Jan 2000 22:29:55 -0500
From: "Randall M. Payne" <randyp@strato.net>
To: qrp-1@Lehigh.EDU
Subject: [60840] allband tuner
Message-ID: <3.0.6.32.20000119222955.007a2620@mail.strato.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On the allband tuner by switching in lengths of 450 line look at the following:

<http://people.delphi.com/CecilMoore/mystery.htm>

72/73

Randy K4EZM

Date: Wed, 19 Jan 2000 21:43:31 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <alihernlem@hotmail.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [60841] RE: Very High Speed Op-Amps
Message-ID: <000001bf62f8\$86c5baa0\$cd3fc6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are several good fairly low priced OP AMPS that are good to around 100MHz. Check out the IF amps used in most televisions. They are used at 45MHz and are good to 100MHz. Sorry I don't have a part number.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Brad Hernlem
> Sent: Wednesday, January 19, 2000 6:06 PM
> To: Low Power Amateur Radio Discussion
> Subject: Very High Speed Op-Amps
>
>
> Dear QRP-ers,
>
> Would any of you like to make suggestions for high bandwidth
> (i.e. >= 100
> MHz) op-amps for HB RF applications? What would be good for
> constructing RF
> active filters? Which are readily available (and hopefully
> cheap(ish))?
>
> Thanx,
>
> Brad
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>
>

Date: Wed, 19 Jan 2000 19:47:03 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [60842] Re: PROP: 160M (AGAIN)
Message-ID: <01bf62f9\$03e37400\$92dcfc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan

After reading ON4UN's book, Low-Band DXing (good book, by the way),
I get the definite feeling that 160m falls out below the range of the
typical
propagation prediction programs. He cites a survey in which over 50% of the
responders, active 160m operators, felt that propagation software was of no
use at all.

Some said they used it only for the grayline feature.

73, Bob N6WG

Date: Wed, 19 Jan 2000 22:49:59 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [60843] RE: Scanning articles and posting to WWW might bring
Message-ID: <388685E7.EA12E99A@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If CQ wanted to make a whole lot of money, they might consider putting ALL of the old Ham Radio stuff on a couple of CD's ala the ARRL CDs. They'd get my money for sure and I am sure many of the folks on this list and other places as well.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 19 Jan 2000 22:46:54 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60844] Re: Using 75 ohm CATV for feedline
Message-ID: <017201bf62f9\$676ae260\$001afea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Personally, I'd live with the 1.5:1 SWR this would introduce...

But if you really want to get rid of it, there is a commercial product that is an 'end cap' for the cable that 'converts' it to 50ohm. Basically, it's a short length of higher impedance (I think 100ohm) cable that at ONE FREQUENCY ONLY inverts the mismatch so it appears to be 50ohm. Bandwidth is kind of small, but it does work.

I've seen construction articles on how to make your own to do this as well.

Mike

>Hi All,

>

>This seems like a good place to toss this out.

>

>What do you do if you have a rig that has a 50 ohm output
>and an antenna that is also 50 ohm but you have this nice
>spool of CATV 75 ohm hardline???

>

>Yes, you could use a tuner. (That's how I do it).

>

>But some don't like the losses from a tuner. Others don't
>like the time needed to tune.

>

>If you cut your feedline at a multiple of a 1/2
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>your rig will see a 50 ohm load and be happy and the antenna
>will see a 50 ohm source and also be happy.

>

>The coax will have an SWR of 1.5 to 1 which is just fine.

>

>(That half wave is the electrical 1/2 wave, not just done
>with a ruler!) But this is very easy now if you have one of
>the MFJ or similar meters.

>

>Another good reason to use high quality, cheap (often free)
>feedline!

>

>Enjoy,

>

>73, Ron

>

>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

>....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

>.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

>

>

Date: Wed, 19 Jan 2000 19:56:02 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [60845] Re: Tuner ZM-2.
Message-ID: <01bf62fa\$448583d0\$92dcfc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don
You're thinking of Cecil, W6RCA's web page.
Don't have the URL, but it's easily found.
73, Bob N6WG

Date: Wed, 19 Jan 2000 22:55:17 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [60846] Post Foxhunt Lunacy
Message-ID: <20000119.215021.4679.3.N5IB@juno.com>

If, after nibbling on Dan's ears tomorrow night you find yourself hungry again an hour or so later, how's this for a QRP event:

We at LSU Physics and Astronomy and the BREC/LSU/BRAS Observatory have gone to considerable trouble and expense to arrange a total eclipse of the Moon following the hunt. With the Moon all exclipsed and everything, all you sated hounds, as well as you frustrated cranky ones, won't know what to bay at.

So, sniff around about 2 kHz or so below the pack's frequency for the LSU Club Station W5YW, operating from the Highland Road Park Observatory, where a public observing night will be in full swing. I'll operate my DSW40 into a 250 foot doublet at about 50 ft, probably outdoors by oil lamp. RIT +/- a half turn of the DSW dial (~750 Hz)

Time: Begin at start of the partial phase 0301Z, finish at the end of totality, 0522 (Well, if I can stay awake and there are still hounds a'bayng I might stay to the end of the partial phase at 0625)

Event exchange: RST NAME MOON_PHASE_ON_DAY_OF_BIRTH

Abbreviate the Moon phase thusly: NM = new Moon, WXC = waxing crescent, FQ = first quarter, WXG = waxing gibbous, FM = full Moon, WNG = waning gibbous, LQ = last quarter, WNC = waning crescent

example: de W5XYZ 559 NEIL WNG WNG (repeating that part is not a bad idea)

A card with a SASE will be answered with a special QSL featuring image(s) of the eclipse taken by one or more of the telescopes at the observatory.

How do you know what the approximate Moon phase was when you were born? - I'm not saying - use your yankee ingenuity - it's not exactly rocket science!! Hints: the internet.... farmer's almanac, etc

The Fine Print: All depends on weather. If the observing is cancelled due to clouds or inclement conditions the observatory will be closed and I can't (won't) stay out there in the woods in the dark by myself, what with all the monsters and aliens and stuff (not to mention the vice squad). I'll post a regrets message to QRP-L.

I'll see all you Lunatics after the hunt...73
Jim N5IB

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Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Jan 2000 23:04:24 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [60847] RE:A follow-up post on article copyright
Message-ID: <38868948.7E9B417C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is another issue that has been missed on this subject, One I deal with regularly as a radio hobby author. When I submit an article to a magazine, they usually buy "First North American Rights." Essentially, this means that the rights to the article return to me (the author) after publication, usually with an agreement on limited republication of "back issues". Further publication in any anthologies or other venues (CD-ROMs, web sites, etc.) require negotiation and compensation for secondary rights. Several of the places I regularly contribute to have approached me concerning republication of my material on there web sites or on CD-ROM compilations. In all cases I negotiated additional

compensation for this further publication. I know of no publications in the hobby field that expect sole or exclusive rights in the modern arena but I don't know what has been done in the past. The fact that the League has been able to publish its CDs without incurring any known lawsuits from irate authors indicates either the high degree of good will that exists among amateurs or some aspect of copyright law that I am unaware of.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 19 Jan 2000 22:26:07 -0600
From: "Frank Krozel" <frank@electronicinstrument.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60848] Re: Norcal 40 power output?
Message-ID: <004301bf62fe\$7908d360\$37b5dccc@kg9h>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all:

Just bought a Norcal 40, and the power on 40 is one watt.
Is this worth keeping or should I upgrade the entire rig to the new series?
I guess I would be happy with 3-4 watts, as that is the power I am used to.
Frnk KG9H

Date: Wed, 19 Jan 2000 20:30:05 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Jay Bromley <w5jay@alltel.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60849] Re: BCK
Message-ID: <Pine.GSO.4.10.10001192029010.4188-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jan 2000, Jay Bromley wrote:

> Gang does anyone know what the station on 1.812 sending BCK is, where,
> and why??

Hmmm,

Maybe that's one of the new 5 wpm Extra's trying to send CQ!

: -)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 19 Jan 2000 22:46:30 -0600
From: Dick Carroll <dixie@townsq.com>
To: w3fpr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [60850] Re: Tuner ZM-2.
Message-ID: <38869326.E3607A8F@townsq.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don Wilhelm wrote:

 somewhere out in cyberspace there is info on
> a "tuner" created by switching additional lengths of 450 ohm feedline onto a
> parallel fed antenna. It is not on L. B. Cebik's site - I just checked.
> Anyway, it is a neat tuning method for balanced line - and much more
> efficient than the popular antenna tuners, and being switchable, it can
> serve on multiple frequencies. Maybe someone will tell us where to find it.
>

Yep, it's at
<http://people.delphi.com/CecilMoore/index.html>

73, Dick W0EX
> 73,

> Don Wilhelm -Chapel Hill, NC
> W3FPR QRP-L # 485 K2 SN 0020
>
> >SNIP...
> >a transmission line could be trimmed to accomplish the same result for a
> >single frequency. The result is a match between the transmitter
> >(source) and transmission line even in the presents of SWR on the line.
> >Of course, trimming a transmission line for single frequency use to
> >serve as an impedance transformer is not a trivial task.
> >
> >72s
> >
> >Arth W6AGS
> >

Date: Wed, 19 Jan 2000 21:02:35 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [60851] Re:300 OHM R/S feedline test numbers.
Message-ID: <388696EB.437C5761@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well gang, I used two more different setups but no time to elaborate. I had 5 Volts p-p input and 4.6 Volts p-p across a 270 Ohm resistor for the 37.5 feet of brown RadioShack twinlead.

SAME NUMBERS: .72 dB Loss for the 37.5 feet.

.72 dB loss on 10 Meters.

Now I'm curious about open line and others...

Hope this is helpful. 72/Ed we6w

--
72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Wed, 19 Jan 2000 21:18:02 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60852] Feedline tests
Message-ID: <Pine.GS0.4.10.10001192109470.4300-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I've been thinking..... (no comments!)

You know what I'd like to see and I'll bet that lots of others would too.....

Tests made of lots of popular feed line at several match conditions. From say 1:1 up to 15:1 or so.

Make them on 160m, 40m, 20m and 10m.

Do it with RG8, RG9913, RG58, RS 300 ohm, and etc. Include some CATV drop line and hard line. Also all the strange things we QRPers use that really wasn't meant to be used that way. Zip cord comes to mind.

It would make a great post or article for the QQ. If done in a nice table form it would be one of those references that we keep handy for years.

Would take lots of time. Good equipment. And of course the understanding of the subject to do it right.

Is there anyone who is qualified that is game?

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 19 Jan 2000 22:10:00 -0700
From: gsurrency@juno.com
To: prm@hiwaay.net
Cc: qrp-1@Lehigh.EDU
Subject: [60853] Re: ZM-2 discussion
Message-ID: <20000119.222045.-269511.3.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

When you're using the LED SWR indicator, just remember that it was our fellow ScQRPion Dan Tayloe N7VE who came up with that great little circuit. It **does** bring back some of the old time radio tune-up procedures that is so lacking in today's modern gear.

So thank you Dan. It's a neat little idea you had there! :-)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)
K2 sn. 364

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 20 Jan 2000 05:53:06 +0000
From: Monte Stark <ku7y@dri.edu>
To: "qrp-1, Low Power Amateur Radio" <qrp-1@lehigh.edu>
Subject: [60854] Fancy Radios and Filters -- LONG
Message-ID: <3886A2C2.C266BCE3@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Just a little story about the adventure of installing a 500 Hz filter in my new FT 100.

No problem I sez to myself....I'll just get a filter and stick that

puppy in there. After all, I did spend a bit of time making a living working on those pesky little FM radios...

The filter arrived. Wow, sure is small!

Looked in the Yaesu FT-100 manual. Page 106 walks you right through the whole operation. Piece of cake. Only 9 steps and #1 is just to turn it off and #9 is to tell you that you are done!

OK, remove all power, front control panel and mic. Take out the 6 screws holding the top cover on. Hmmmmm, Oh, it's the mobile mount that is keeping it from coming off! OK, remove them and off comes the top and I unplug the speaker.

So far, So good!

Now it seems that they can't count....I removed screws from the board and took out the flat cables that they mentioned. And the 4 coax cables. Still can't get the board to move! Move wires, look around....find more screws.....remove them. Finally, after finding another wire to remove, I got the board to move.

The book says "Fold the circuit board forward".... yea, right! Ask Mark and Mary. They say the mess!

After MUCH wire moving and board coaxing I got the back of the board up about 4 inches above the chassis. Then I somehow managed to get the filter under at least a gazillion wires and into the right holes.

Next I propped the rig up so I could get my soldering iron in the middle of that mess. Then I saw that there was not a big empty space under the filter. No, it was full of SMD's with a filter pin sticking out here and there!

With the little magnifier loop in use, I brought the soldering iron down toward the first filter pin. Then I started wondering if everyone starts shaking this bad when they pass 60 something!

But I finally managed to get all the pins soldered. At least I think they are really soldered!

Then it was a reverse struggle to wiggle the board back into place in the maze of wires, install all the screws and reconnect all the cables that were removed.

On went the top and I was felling smug.

I connected the radio to the power and antenna. Turned it on and it

still worked! Wheeeeeee! Turned the filter ON in the menu. Started playing with the new filter. Sounded great....then 40m stopped working! Oh NO!!!!!!

The other bands were still OK. However, it was only a few minutes before 20m also quit!

I turned it off and removed all cables. That was it for one night.

I took it into work and got there a couple of hours early. I put it on the bench and removed the cover. Put a sig in with the service monitor. I started wiggling all the wires and soon the RX sprang to life!

I had a flex cable that wasn't making good contact in the socket. After about 30 minutes I found that the connector had a locking feature and that by inserting the cable correctly the rig worked.

I felt great. The RX was just fine. However, when I tried the TX it did not work! ZERO power out!

This lasted until well after lunch. I'd walk over and look at the rig a bit and then go do some work.

Finally, after who knows how many times of looking at those boards I saw that there was one of those pesky little coax cables that was just laying there....about to touch down on a few SMD parts! I killed the power, plugged that cable in where it belongs and VOLA! The TX worked!

Put it all together and it's working just fine.

But if you are a little faint of heart or if you have never worked on a densely packed board that costs more than you care to think about, you might rather spend the \$50-\$100 that I'd guess they charge to install filters for you!

This applies to the very small radios. I install filters and made some mods on my FT 1000MP and it's easy to work on. Lots of room.

But no so on these little 160m through 440 MHz rigs!

OK, back in my hole...

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Wed, 19 Jan 2000 23:01:43 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60855] DSW-20 CW Frequency Speed Adjustment
Message-ID: <3886A4C7.E88A3D2C@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just got my new baby up and running last weekend.

I know how to use all four functions accessed by the rig's keyer button. When I use my outboard Logikey M-3 Keyer I put the DSW in straight key mode.

My question is: When I want to increase the cw speed that the DSW sends the transmitting frequency at, how do you do it when the rig is in straight key mode and you are using an external keyer? The only solution I can think off is to hook the paddles up directly to the rig (not to the external keyer) on start up, increase the cw speed of the rig's internal keyer, put the DSW in straight key mode and then switch the paddles over to the external keyer and hook the external keyer up to the rig.

Please tell me there is an easier way to do this!!

Cheers
Karl B. Staddon, VE6KBS
CALGARY, AB

Date: Thu, 20 Jan 2000 01:01:25 EST
From: Normk9nk@aol.com
To: qrp-1@lehigh.edu
Subject: [60856] Going Solar
Message-ID: <45.677e90.25b7feb5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I am considering buying a solar panel to charge either a 4AH or 7AH Gel Cell.

Would appreciate some info on good specs as to how much current I should look

for.

I've seen some low end products at 125 ma and others that go to 500 ma or more. Do I need a higher current factor for a 7AH over a 4AH??

Any recommendations on products that have been recently bought that I might look into??

Thanks, I know this subject has been posted before --- but really have the solar interest now! Please feel free to post on the reflector or direct!

72's -- Norm K9NK
email: normk9nk@aol.com

Date: Thu, 20 Jan 2000 01:09:06 -0500
From: osier <osier@northnet.org>
To: qrp-l@lehigh.edu
Subject: [60857] QSL envelopes????
Message-ID: <3886A682.A1714A91@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All !!!!

Sorry about the bandwidth but with all the wisdom here I thought Id ask
:

Received a QSL today from Macedonia and found one corner neatly cut off
(card was fine) . Wondering what this is thats being done ????
Over the past 10 yrs Ive recieved quite a few like this Kinda a
puzzler to me ?????!!!!!!!

Any takers ?????

George , N2JNZ/QRP

Date: Thu, 20 Jan 2000 07:33:18 +0100
From: "Juan Jose Pastor Estornell" <juanjopectv@ctv.es>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [60858] OT: Juicy CW note
Message-ID: <000b01bf6310\$441c5fc0\$b09019d4@juanjopectv>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>George and gang.
>I have always been curious why so many Cuban stations
>sound a bit "juicy". Many, many times I have heard CW
>and thought "that is a Cuban" and sure 'nuf he signs
>C0xxxx. Maybe Prof. Coro can shed some light on this. :-)
>73 Pete NV4V
>

Hi gang,

First of all, happy Y2K to you all. These "juicy" comments remind me about what we used to call "russian keying". It seems that modern commercial rigs are beginning to fall into russian amateur hands, but in former USSR days (and probably just now) they had a severe lack of both material and "doughs" so it was usual to hear them with a chirpy and drifting signal. I usually say they made their rigs with hammer and nails... Nowadays there are still a handful of them "old way" sigs around, especially in the higher bands, but most of those "russian" sigs we hear now are originated in homebrew (not kit) rigs in rich western European countries... Hey, a bit of chirp, AC modulation and a slight drift add personality to those 40 meter sigs, don't they?. Hope I will not be sending as much "trash" in my sigs, but it will not prevent me to put my newest homebrew "monster" on the air anyway, will it do it to you?. Best wishes from Spain!

P.S.: I am trying to be on 28.110 at 1630 UTC everyday. Hope to work you all soon!

73, 72 de Juanjo, EC5ACA/QRP. EA-QRP #104, G-QRP #9742, QRP-L #1662, NORCAL-QRP.

Tfn. +34 96 120 17 67
e-mail casa (home): ec5aca@qsl.net
e-mail trabajo (work): ec5aca@hotmail.com

Date: Thu, 20 Jan 2000 02:36:49 EST
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [60859] Yet another antenna build and tryout at WB9MII
Message-ID: <25.de0828.25b81511@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Hello friends,

I'm getting some interesting results with an configuration that I'm sure has been tried before maybe in many places, but a first try for me. Made a 34 ft CF Zepp using speaker wire and cheapo TV twinlead as a feeder. Hung it horizontal around the room and results were eeeeeehhhhh at best. Got the idea to put the "Hot" leg vertical and then bent the rest horizontal. Put the other leg along the floorboard.

Looks wierd but loads right up and get 579/589 and the occasional 599 report from my mighty MFJ at 4 watts. Kinda like an L antenna but not exactly. Anyhow it sure seems to work very well and the price was right (nil).

72

Greg WB9MII

QRP Arci 9719

Fists 3347

OTC

Date: Thu, 20 Jan 2000 00:55:19 PST
From: "Leon Heller" <leon_heller@hotmail.com>
To: k3gm@home.com, qrp-1@Lehigh.EDU
Subject: [60860] Re: AD8361 - followup
Message-ID: <20000120085519.41411.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Right after my post to Jim WD9EYB, and the rest of the group, I received my
>sample and "cookbook" for the AD8631 Tru Power Detection IC. I work in
>the
>printed circuit design/fabrication industry and have worked with surface
>mount technology for years, but this part is SMALL! I'm not sure that this
>part can be "hot wired" with flying leads as the legs are just too small.
>How ironic, we pushed for years to miniature-ize, and now it's too small!
>It ain't over yet though, so I'll keep the group posted.
>

I designed a little adapter PCB for the similar small package AD9850 DDS chip, that bought the pins out to staggered 0.5" spacing pads. Something similar could be done for the AD8361.

73, Leon

Leon Heller, G1HSM

Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 20 Jan 2000 04:32:28 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, <osier@northnet.org>
Subject: [60861] Re: QSL envelopes????
Message-ID: <004201bf6329\$45463060\$02e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi George,

That is so the people that deliver mail in the other
countries can look into the envelope. They look for
envelopes with ham calls on them to rip open and look
for \$'s. It is just a way to ensure the QSL gets to the
proper location without any damage. The postal systems
in other countries is not like our own post office.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
 <http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1 NJ QRP #179
KL7 QRP # 309 G-QRP # 3031

ARCI QRP # 5318 10 - X #13173
NorCal Zombie #625
ARS # 380 HI-QRP #153
VA QRP Society

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<http://setiathome.ssl.berkeley.edu>
120 + Work Units Completed

Date: Thu, 20 Jan 2000 11:36:44 +0200
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: wb3aal@talon.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60862] Re: QSL envelopes????
Message-ID: <3886D72C.3BCD@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Ron Polityka wrote:

>
> Hi George,
>
> That is so the people that deliver mail in the other
> countries can look into the envelope. They look for
> envelopes with ham calls on them to rip open and look
> for \$'s. It is just a way to ensure the QSL gets to the
> proper location without any damage. The postal systems
> in other countries is not like our own post office.

It is also not allowed to send money in the mail. I do it, too, but the postal service forbids it. Maybe the rule is there to prevent employees to be tempted to cut the corners and peek inside.

--

oh2zaz
Arjen Raateland

Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Thu, 20 Jan 2000 17:50:27 +0800
From: Sylvester <cqsly@tm.net.my>

To: osier@northnet.org
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60863] Re: QSL envelopes???? (My Most Probable Answer...)
Message-ID: <20000120095027.FNKL3658@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi George & Gang,
Greetings...

I believe it replaces an ordinary "unsealed 2nd class air mail letter" or is it a "2nd class printed matter" which needs to be opened at the envelope flap to show the printed materials inside to the postal authorities. I do that at times too, after receiving many QSL cards from Asian countries direct with that style. It is almost air mail at a much cheaper rate, I should say! Save on the postage stamps. About half the air mail stamps for an ordinary air mail, and I find it just as speedy to most countries. Also, it does prevent ichy hands that might try to peek into the envelope, and will thus see nothing except the card inside, preventing it from being opened, defaced or stolen. A novel idea for sending QSL cards overseas at near air mail speed at a much cheaper rate and not being stolen, I presumed!!! Can this be done in the States, I wonder? If it does, you guys/gals will also be having a treat when sending/replying qsl cards overseas!!!

Agn, this is not my idea, I learnt it for the mni qsl cards I received over the years.
72/3 de Sly, 9M8SL
East Malaysia, Borneo Island.

At 01:09 AM 1/20/00 -0500, you wrote:

>Hello All !!!!

>

>Sorry about the bandwidth but with all the wisdom here I thought Id ask

>:

>

>Received a QSL today from Macedonia and found one corner neatly cut off

>(card was fine) . Wondering what this is thats being done ????

>Over the past 10 yrs Ive recieved quite a few like this Kinda a

>puzzler to me ?????!!!!!!!

>

>Any takers ?????

>

>George , N2JNZ/QRP

>

>

Date: Thu, 20 Jan 2000 02:02:03 -0800
From: Dave Fifield <fifield@pacbell.net>
To: ku7y@dri.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60864] Re: Fancy Radios and Filters -- LONG
Message-ID: <005401bf632d\$66e931a0\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Ron,

This doesn't sound like my experience doing the same job.
I cracked open my FT-100 carefully without incident and
had the 500Hz CW filter soldered in, the rig all re-assembled
and working again in about 5 minutes. No hassle at all.

Murphy was with you that day I suspect!

Cheers es 72,
Dave Fifield, AD6A

Date: Thu, 20 Jan 2000 07:18:45 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: osier@northnet.org
Cc: qrp-1@lehigh.edu
Subject: [60865] Re: QSL envelopes????
Message-ID: <3886FD24.1CA0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually if you guys weren't all in such a hurry to get your cards you'd
send them via the bureau. No cut corners, just a few weeks/months extra
time!

Date: Thu, 20 Jan 2000 06:47:51 -0600
From: Mike <mmorrow@companet.net>
To: ve6kbs@agt.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60866] Re: DSW-20 CW Frequency Speed Adjustment
Message-ID: <388703F7.1939@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl B. Staddon wrote:

> When I use my outboard Logikey M-3 Keyer I put the DSW in
> straight key mode.
>
> My question is: When I want to increase the cw speed that the DSW
> sends the transmitting frequency at, how do you do it when the rig
> is in straight key mode and you are using an external keyer?

Karl,

I insert the two-conductor key plug from the straight key into the key jack just far enough for the tip to engage to the first contact encountered in the key jack. When the DSW is first powered up, closing the straight key should cause a string of dits to be sent.

You are just interested in being able to adjust UP the keyer speed so that the audio frequency annunciation is at a higher speed. Assuming that you have inserted the key plug as described above, just:

- (1) Power the DSW up.
- (2) Initiate the keyer setup mode.
- (3) After it sends S, depress your straight key to get the speed you desire
- (4) Wait for the radio to exit keyer setup mode,
- (5) Initiate the keyer setup mode again
- (6) After it sends SK, tap the key to set the straight key mode.

I assume your external keyer can be set to a mode that will allow you to close the keying circuit in the manner dscribed above. It all sounds much more cumbersome than it actually is. It takes me less than 15 seconds from start to finish, and I NEVER have to change the position of the key plug in the DSW.

Best regards/73,

Mike / KK5F

The only
> solution I can think off is to hook the paddles up directly to the rig
> (not to the external keyer) on start up, increase the cw speed of the
> rig's internal keyer, put the DSW in straight key mode and then switch
> the paddles over to the external keyer and hook the external keyer up to
> the rig.
>
> Please tell me there is an easier way to do this!!
>
> Cheers
> Karl B. Staddon, VE6KBS
> CALGARY, AB

Date: Thu, 20 Jan 2000 06:54:12 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: ku7y@dri.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60867] Re: Fancy Radios and Filters -- LONG
Message-ID: <3.0.2.32.20000120065412.007c6b10@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ron and All,

Putting a filter in my new IC706MKIIG was a little simpler. There's room for two. With power off, remove 5 screws on the cover, disconnect cable, plug in the filter, plug in cable, put the cover back on. Turn the power on, select the menu that deals with filters and it's done. Not too bad on this little rig but it's somewhat larger than the FT-100.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Thu, 20 Jan 2000 08:16:06 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <w5jay@alltel.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60868] Re: BCK
Message-ID: <001701bf6349\$3c1f4d30\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And I thought my receiver was funky!

I heard it too on Tuesday morning, about a 119 signal;
I also hear a signal on 1810 but a bit weaker,
also sounds like a beacon.
Inquiring minds want to know :)

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - NE suburb of Cincinnati
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----

From: "Jay Bromley" <w5jay@alltel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 19, 2000 9:59 PM
Subject: BCK

> Gang does anyone know what the station on 1.812 sending BCK is, where,
> and
> why??
> 73 de w5jay..
>

Date: Thu, 20 Jan 2000 08:11:10 -0800
From: "David Benson" <nn1g@earthlink.net>
To: "Mike" <mmorrow@companet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60869] Re: KITS: DSW CW Frequency Speed Adjustment
Message-ID: <002e01bf6361\$3c4510c0\$0e91173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Karl B. Staddon wrote:

>
>> When I use my outboard Logikey M-3 Keyer I put the DSW in
>> straight key mode.
>>
>> My question is: When I want to increase the cw speed that the DSW
>> sends the transmitting frequency at, how do you do it when the rig
>> is in straight key mode and you are using an external keyer?

Mike Morrow, KK5F, wrote:

>.....

>I assume your external keyer can be set to a mode that will allow you to
>close the keying circuit in the manner dscribed above.....

>.....

Thanks, Mike. If the interface from the external keyer is wired into the default 'dot' input on the DSW, going into the 'S' or Speed mode allows all external keyer inputs to speed up the DSW readout. Each tap of the keyer paddles then increases (or decreases) the DSW keying speed by 3% above the default 15WPM and by 6% below 15 WPM.

73- Dave, NN1G

Date: Thu, 20 Jan 2000 05:24:12 PST
From: "Jeff Hahn" <kr4ys@hotmail.com>
To: qrp-1@Lehigh.EDU
Message-ID: <20000120132412.35358.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For those who are interested, the Library of Congress has a website which provides basic information on Copyright law. The url is

<http://www.loc.gov/copyright/>

Jeff Hahn, KR4

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 20 Jan 2000 08:31:23 -0500 (EST)
From: James Skalski <jskalski@localnet.com>
To: osier <osier@northnet.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60871] Re: QSL envelopes????
Message-ID:

<Pine.LNX.4.20.0001200824440.2421-1000000@valhalla.valhalla.buffalo.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

My guess is that they are looking for money...

Any letters that I received that were damaged in mail sorting machines were crumpled, not neatly cut.

If you make a small slit and blow into the end the envelope billows out making in easy to look inside.

On the other hand maybe they got a good deal of envelopes that were "seconds" :-))

73,

Jim n2go

> Received a QSL today from Macedonia and found one corner neatly cut off
> (card was fine

Date: Thu, 20 Jan 2000 06:36:07 -0700

From: Thomas Kuehl <ac7a@gci-net.com>

To: w5jay@alltel.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [60872] Re: BCK

Message-ID: <38870F47.615EEEEAD@gci-net.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

All:

Sometime back I reported hearing some mysterious CW signals on 160 meters. There were several of them sending an alphanumeric sequence at about 10 WPM. Some nights I'd hear a half-dozen or so, across the low end of 160 meters; now I only hear one or two occasionally.

A fellow in Hawaii, I believe KH6B, wrote me and told me that he was hearing them too and that they were fishing net beacons. I thought Hawaii to Arizona seemed a bit distant for. Then it occurred to me that the Gulf of California is only a 4 hour drive from here, and the California coast maybe 350 to 400 miles away.

I regularly here two beacons, 3BM and 3BAZ, and was keeping a log for a while. Maybe you are hearing some from the Gulf of Mexico.

Best Regards, Thomas - AC7A (Tucson)

Jay Bromley wrote:

> Gang does anyone know what the station on 1.812 sending BCK is, where, and
> why??
> 73 de w5jay..

Date: Thu, 20 Jan 2000 08:42:24 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [60873] RE: "Tuner ZM-2: max radiated power"
Message-ID: <20000120.084229.-162481.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gangoliers!

Here I sit, waiting for Lexx to come on (so to speak) tomorrow (Friday) night just before LNR, and Glen Leinweber posts a note about Ed Loranger seeing a diff between max out measured on a FSM & the null point on a ZM-2 LED swr measuring thingie. As I have noted as well.

The test comes to this: I plog the output of the TR7 into the home brew ZM-2 matcher, but use only the SWR bridge part. Now I've got a meter instead of an LED in there, but it still shows the same stuff. When I tune an external high-power ZM-2 to null the meter on the low power ZM-2 measuring thingie, I notice that the TR7s internal wattmeter shows considerable "reflected" power (at a strangely low level of output for a TR7, granted, with all considerations of the output impedance of the TR7's PA for the moment out of discussion).

When I tune the QRO Z-match for low "reflected" power on the TR7's meter, the meter on the QRP ZM-2's measuring thingie shows a slight but perceptively significant amount of "untuned" RF going around.

Now, I've thought about this a little bit, like driving to work or something similarly neanderthalean, and have only these ideas to squawk about:

1. The measuring part of the ZM-2 (maybe originally N7VE's design) SWR bridge involves a home-wound toroid, which may "insert" some error in the matching system. At the same time, even under best conditions, there has got to be a certain "hedge factor" involved in the absolute most low SWR measuring you can do.

2. Changes in the "viewed" impedance that the bridge may put into the PA's output path, plus the lower power at which such measurements are made, will probably cause some error.
3. Maybe the TR7's SWR circuitry is not nulled correctly (it's the same SWR circuit as the Drake wattmeters used individually or in other Drake stuff so constructed, but is in a radio well over 20 years old).
4. I built the ZM-2/N7VE circuit incorrectly (or the resistors are out of tolerance or some other similiar Murphyan schema).

At which point Ed's and Glen's comments about using an FSM seem very salient. But that leaves me with another doodad to construct & it's darn cold out there in the outhouse, even with all the radios on & two slobberin' irons going full steam & the kerosene heater puttin' some moisture into the air &c. And Zev on my mind (and the wallpaper on my computer screen & all that).

Sounds like a great summer experiment . . . 'cept I want that stuff now! Kinda like Xev wanting what she always wants on that bug-in-space TV show I was waitin' to see.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!
-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 20 Jan 2000 08:48:36 -0500

From: Zack Lau <zlau@arrl.org>

To: qrp-l@lehigh.edu

Subject: [60874] Re: Using 75 ohm CATV for feedline

Message-ID: <38871233.E340BCF@arrl.org>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Theoretically, a quarter wavelength of 61.24 ohm coax would also match 75 to 50 ohm cable on the odd harmonics as well. Thus, it might be possible to cover 144, 432, and 1296 MHz. Zack W1VT

Date: Thu, 20 Jan 2000 09:11:59 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60875] Re: Fancy Radios and Filters -- LONG
Message-ID: <Pine.LNX.4.04.10001200903340.16746-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Jan 2000, Monte Stark wrote:

> install all the screws and reconnect all the cables

This is where most upgrades get "done in"! No matter what you're upgrading or fixing (radio, PC, toaster) leave some of the screws out when you test it. These things *know* when you get over confident about having fixed it, and generate an appropriate response :) After 20 years of service work I almost never put all the screws back in before the initial smoke test.

And on the subject of filters, I have both the 500 and 250Hz filters for my Icom 735, anyone have ideas on how to get both in there and switch between them? I have RG174 and a bunch of switches, but that just seems a little to messy.

72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 20 Jan 2000 09:23:53 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [60876] Great meeting with KI6DS and AD6A
Message-ID: <000701bf6352\$75ff58c0\$12b2accf@ire.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While traveling out to the west coast this week on business, I had a wonderful dinner meeting with Doug Hendricks, KI6DS and Dave Fifield, AD6A of the NorCal group.

First, let me tell you all that Doug is looking just fabulous after his operation several months ago. Actually more energy than before, if you can imagine it!

These guys took time out of their busy schedules on a moment's notice to spend a long evening with me discussing QRP club projects (NJQRP and NorCal) in progress, some pretty neat upcoming designs that are in progress, and some good ol' rag chew. I'll tell you, we sure have exciting times ahead for us all in QRP!

I got some good tips on a project we're doing at the NJQRP meeting this Saturday: a Manhattan-style construction clinic, based on using an Embedded Research's TiCK-3 keyer chip. We've assembled 30 sets of parts for such a keyer project, got a few pieces of copper-clad pcb material ready to go (including a makeshift-but-convenient Manhattan-style pushbutton and mini-paddle. Pretty neat!) Everybody gets a kit and we put it together there right at the meeting under the watchful eye of our club Elmers: N2CX, WK8G, WA2UNN and some others. Should be a great time ... I'd urge other clubs to do similar kinds of "group projects" right there at your meetings. Everyone loves getting a mini-kit *and* getting the assistance and instruction in putting it together.

And the "coup de grace" of my trip was Doug showing me three separate surplus electronic parts havens in the San Jose area. I visited them the next day and I'm taking home some very valuable bootie for myself and for the NJQRP. Man, we sure don't have meccas like this back on the east coast!

I have so many little yellow pieces of paper with Dave Fifield's circuit scratchings on it ... he's one great resource to all us QRPers. And I'm not sure that I've mentioned it clearly before in my Atlanticon postings, but Dave (who is founder/owner of Red Hot Radio) has donated an RH40 transceiver as one of the big prizes at the Atlanticon building contest. Many thanks Dave!

72, George N2APB
n2apb@amsat.org
<http://www.njqrp.org/atlanticon/> <== Atlanticon QRP Forum web page

Date: Thu, 20 Jan 2000 07:34:37 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: NM5Mike@aol.com, qrp-1@lehigh.edu, w5xe@juno.com
Subject: [60877] Re: 80 Meter CW QRP Activity
Message-ID: <200001201434.HAA27049@rgfn.epcc.edu>

Well, the standard calling freq USED to be 3560 - had many nice qrp qso's over the years there. But in recent years there has been some traffic nets there - the Corn stompers net or something like that, regional traffic nets, and all with qro - making it very difficult to maintain a qrp presence. The qrp nets, GSN and GLN that used to be there have long gone, even the WSN that used to be on 3558 hasn't been around for some time, either. So, getting back to your question, the ones I have worked are downward towards 3550 and a bit lower, plus the 3686.4 standard freq in use by the NOGAQRP group and the Knightlites. The NW QRP group still uses 3710 (I think). The 3579 freq that has been touted in the past by some of the eastern qrp groups is quite busy out this way, not by qrp'ers but by the boat anchor group. Mixed in between all of this is the multitude of Spanish speaking fishing boats, Mexican Federales, military, etc.

There has been more amateur activity in the past few weeks on 80 cw, and seems to be increasing - sure is a lot of space for some good qso's and with much less overall qrm than on 40. Hope that has provided an answer and sorry to be so long winded - 80 meter habits die hard, hi!.

73 and hope to work you soon on the band.

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M

El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 20 Jan 2000 14:36:12 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <osier@northnet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60878] Re: QSL envelopes????
Message-ID: <025701bf6353\$b44ace60\$e642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, It's done so postal inspectors from the country originating the card can view the contents of the envelope. They are paying a special rate to send the card so the corner is cut off to allow inspectors to see what is enclosed. Nothing sinister.
de Steve, W8SFF

Date: Thu, 20 Jan 2000 07:54:49 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp1'" <qrp-1@Lehigh.EDU>
Subject: [60879] Re: AD8361 - Neat Chip?
Message-ID: <87568F78ABDCD211A0AC0008C707718B319593@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="ISO-8859-1"

>Is the AD8361 a neat chip?
><http://www.analog.com/TruPwr/>
>Has anyone used one yet?

>Jim, WD9EYB

It is a neat chip, but the specs only rate it down to a minimum of 100 MHz.

Analog Devices claims it is "usable" down to 10 MHz. Therefore it would not be reliable as a power meter on 40 meters or lower and maybe not too accurate anywhere in the HF band.

I have had enough interesting experiences
with power measurements I can't trust
lately to add one more!

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 20 Jan 2000 08:25:44 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <wb8qyy@one.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60880] Re: BCK
Message-ID: <001301bf635a\$9fa10680\$67de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These wouldn't be signals from an airport of some kind would they 72 Cal
KF7ET/Idaho

----- Original Message -----

From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, January 20, 2000 6:16 AM
Subject: Re: BCK

> And I thought my receiver was funky!
> I heard it too on Tuesday morning, about a 119 signal;
> I also hear a signal on 1810 but a bit weaker,
> also sounds like a beacon.
> Inquiring minds want to know :)
>
> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - NE suburb of Cincinnati
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> <http://w3.one.net/~gentzow/wb8qyy.htm>
>

> ----- Original Message -----

> From: "Jay Bromley" <w5jay@alltel.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, January 19, 2000 9:59 PM
> Subject: BCK

>

>

> > Gang does anyone know what the station on 1.812 sending BCK is, where,
> and
> > why??
> > 73 de w5jay..
> >
>

Date: Thu, 20 Jan 2000 08:39:46 -0700
From: "Howard Myers" <howardw7ilw@cableone.net>
To: qrp-1@lehigh.edu
Subject: [60881] Re: BCK
Message-ID: <075290941151410CIS10@mail2.cableone.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

BCK FAA Beacon is on 326 kHz (1998 Beacon Guide). $362 \times 5 = 1810$ kHz ??? It
is located in Black River Falls, WI.
Howard - W7ILW - Prescott, AZ

> And I thought my receiver was funky!
> I heard it too on Tuesday morning, about a 119 signal;
> I also hear a signal on 1810 but a bit weaker,
> also sounds like a beacon.
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> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - NE suburb of Cincinnati
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> <http://w3.one.net/~gentzow/wb8qyy.htm>
>

> ----- Original Message -----
> From: "Jay Bromley" <w5jay@alltel.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, January 19, 2000 9:59 PM
> Subject: BCK
>
>

>> Gang does anyone know what the station on 1.812 sending BCK is, where,
> and
>> why??
>> 73 de w5jay..
>>
>

Date: Thu, 20 Jan 2000 07:41:14 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [60882] Film Can Transmatch formulas
Message-ID: <38872C9A.649F0390@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Several people have asked about the component values for my Film-Can Transmatch described in the January issue of The ARS Sojourner (http://www.natworld.com/ars/pages/back_issues/0100_text/0100_one.html) to enable it to operate on bands other than 20 meters. I put together a couple spreadsheet programs to do the math.

I have a version for Corel Quattro Pro (version 6/7/8) as well as Microsoft Excel 97. If you would like either of these programs, send me e-mail and specify which version you would like. I will attach a copy to a return e-mail message.

Sorry folks, but I am not in a position to send anything out on diskette.

--
=====

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 20 Jan 2000 10:52:01 -0500 (EST)
From: igeq100@iupui.edu
To: "Karl B. Staddon" <ve6kbs@agt.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60883] Re: DSW-20 CW Frequency Speed Adjustment
Message-ID: <Pine.HPP.3.96.1000120104758.15896B-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Karl -

I recently built a DSW-40 and faced the same problem. Since I was using my own cabinet to mount it in, I used two SPST switches (panel mounted) to simulate the action of an iambic paddle. That way I can do

any of the programming that would normally require a paddle to be attached, but can actually be using a straight key or keyer.

It took a little panel space, but it is convenient.

73,

Richard Meiss, WB9LPU
Speedway, IN

On Wed, 19 Jan 2000, Karl B. Staddon wrote:

> Just got my new baby up and running last weekend.
>
> I know how to use all four functions accessed by the rig's keyer
> button. When I use my outboard Logikey M-3 Keyer I put the DSW in
> straight key mode.
>
> My question is: When I want to increase the cw speed that the DSW sends
> the transmitting frequency at, how do you do it when the rig is in
> straight key mode and you are using an external keyer? The only
> solution I can think off is to hook the paddles up directly to the rig
> (not to the external keyer) on start up, increase the cw speed of the
> rig's internal keyer, put the DSW in straight key mode and then switch
> the paddles over to the external keyer and hook the external keyer up to
> the rig.
>
> Please tell me there is an easier way to do this!!
>
> Cheers
> Karl B. Staddon, VE6KBS
> CALGARY, AB
>

Date: Thu, 20 Jan 2000 09:05:39 -0700
From: "Draper, Bruce L" <draperbl@sandia.gov>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [60884] FYBO rules help needed
Message-ID: <5E4AEFEB3A86D21193710008C7A40A5A0512A7B8@es05sn1nt.sandia.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset=windows-1252
Content-Transfer-Encoding: 7bit

Need a little help with FYBO...

1. The rules show a 2x multiplier for "alternative power" but they don't define the term. I guess a lot of folks could think that batteries would qualify. ARRL's Field Day has a "natural power" category that includes "QSOs without using power from commercial mains or petroleum derivatives", but then they clarify it by saying "source of power such as solar, wind, methane or grain alcohol. This includes batteries charged by natural means." What do the FYBO sponsors say?

2. Is there a place on the web where I can look at last year's results to get an idea of how much activity to expect on the various bands?

While I'm thinking of it, where can I find the results for the 1999 BUBBA and QRP Afield events?

Thanks,
Bruce AA5B

Date: Thu, 20 Jan 2000 11:16:42 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <howardw7ilw@cableone.net>
Subject: [60885] Re: BCK
Message-ID: <003a01bf6362\$76a01250\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seems to me, that the FAA beacon BCN in Black River Falls, WI. is an excellent source of propagation data for 160, even if it is the 5th harmonic. I'll be using it to test the waters to the land of the CheeseHeads :)

72 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - NE suburb of Cincinnati
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----
From: "Howard Myers" <howardw7ilw@cableone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, January 20, 2000 10:42 AM
Subject: Re: BCK

> BCK FAA Beacon is on 326 kHz (1998 Beacon Guide). 362 x 5 = 1810 kHz ???
It
> is located in Black River Falls, WI.
> Howard - W7ILW - Prescott, AZ
>
> > And I thought my receiver was funky!
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> > 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> > Loveland, Ohio - NE suburb of Cincinnati
> > FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> > <http://w3.one.net/~gentzow/wb8qyy.htm>
> >
> > ----- Original Message -----
> > From: "Jay Bromley" <w5jay@alltel.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Wednesday, January 19, 2000 9:59 PM
> > Subject: BCK
> >
> >
> >> Gang does anyone know what the station on 1.812 sending BCK is, where,
> > and
> >> why??
> >> 73 de w5jay..
> >>
> >
>

Date: Thu, 20 Jan 2000 09:35:08 -0700
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [60886] TYPE R 1147 A info?
Message-ID: <1.5.4.16.20000120103128.1b9f8766@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

On a pure impulse buy last year I got myself a Receiver out of an WWII Bomber and as it seems to be in decent shape I was wondering if there is still someone out there that has any info on it?

73 de Niels J. Kristjansson

VE6NJK(TF3NJ)
Calgary, Alberta
Canada

Date: Thu, 20 Jan 2000 09:37:00 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: draperbl@sandia.gov
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60887] Re: FYBO rules help needed
Message-ID: <388739AC.5FE1E40@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Draper, Bruce L" wrote:

>
> Need a little help with FYBO...
>
> 1. The rules show a 2x multiplier for "alternative power" but they
> don't define the term. I guess a lot of folks could think that
> batteries would qualify. ARRL's Field Day has a "natural power"
> category that includes "QSOs without using power from
> commercial mains or petroleum derivatives", but then they
> clarify it by saying "source of power such as solar, wind,
> methane or grain alcohol. This includes batteries charged
> by natural means." What do the FYBO sponsors say?

Alternative power = any power source _other than_ AC Mains. Let's keep it simple. This is a fun event, not a major contest.

>
> 2. Is there a place on the web where I can look at last year's
> results to get an idea of how much activity to expect on the

> various bands?

I don't recall FYBO results being posted anywhere except this List, but you'll have to search the archives for that. We don't keep them for long, since it's only a fun event.

You'll probably find most activity on 15 & 20 during the early part, then maybe 40 later on. That's because most single-band rigs are built for one of those freqs. Then agn, with the multitude of K2's out there, I'd start on 10 early, then move down as propagation changes.

>

> While I'm thinking of it, where can I find the results for the
> 1999 BUBBA and QRP Afield events?

BUBBA was a ScQRPions event...maybe Joe will reply to this one. QRP Afield is a NorCal 'test. It will probably show up in QRPP one of these days.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Thu, 20 Jan 2000 12:05:37 -0500
From: "Morrow, Michael A." <mamorrow@tva.gov>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
"nkristja@cadvision.com" <nkristja@cadvision.com>
Subject: [60888] RE: TYPE R 1147 A info?
Message-ID: <A4880B68BD08D011B8580000F8014A4904A6E7C0@mshbfnois1b.cha.tva.gov>
MIME-Version: 1.0
Content-Type: text/plain

Niels,

Steve Johnston, WD8DAS, has a very well researched web page on the WWII R.1147A RAF VHF homing receiver. See it at:

<http://www.qsl.net/wd8das/spitfire.html>

Lots of good photos, too.

73,

Mike / KK5F

(Boatanchor Fan)

> -----
> From: Niels Jensen Kristjansson[SMTP:nkristja@cadvision.com]
> Sent: Thursday, January 20, 2000 10:35 AM
> To: Low Power Amateur Radio Discussion
> Subject: TYPE R 1147 A info?
>
>
> Hi gang,
>
> On a pure impulse buy last year I got myself a Receiver out of an
> WWII Bomber and as it seems to be in decent shape I was wondering
> if there is still someone out there that has any info on it?
>
> 73 de Niels J. Kristjansson
>
> VE6NJK(TF3NJ)
> Calgary, Alberta
> Canada
>
>
>

Date: Thu, 20 Jan 2000 09:10:21 -0800
From: Jim Golden <Jim.Golden@hmsc.orst.edu>
To: qrp-l@Lehigh.EDU
Subject: [60889] WM-2
Message-ID: <v04003a00b4acf17de221@[128.193.171.131]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi folks,

I'm new to the net, and am a proud owner of a ZM-2. I wired mine up wrong the first time, made corrections after getting help from the manufacture and it works!

My question is, what is the WM-2?

thanks!

Jim KK7EM

Date: Thu, 20 Jan 2000 11:17:42 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <Jim.Golden@hmsc.orst.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60890] Re: WM-2
Message-ID: <008b01bf636a\$434bfd80\$609b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim take a look here <http://www.ohr.com/>
73 de w5jay..

>
>My question is, what is the WM-2?
>
>thanks!
>
>Jim KK7EM
>
>
>
>

Date: Thu, 20 Jan 2000 12:43:50 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: Dan.Tayloe@motorola.com
Cc: qrp-1@lehigh.edu
Subject: [60891] Re: AD8361 - Neat Chip?
Message-ID: <200001201724.MAA06537@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>
> Analog Devices claims it is "usable"
> down to 10 MHz. Therefore it would
> not be reliable as a power meter on
> 40 meters or lower and maybe not too
> accurate anywhere in the HF band.
>

Dan,

Actually, it is good down to nearly DC.

The low frequency response is determined by the size of the input coupling cap. The example circuit shown in the data sheet uses a 100 pfd input cap, which limits the response to about 10 MHz. Use a 0.01 ufd cap and the response goes down to about 71 KHz.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 20 Jan 2000 09:28:49 -0800
From: Jim Golden <Jim.Golden@hmsc.orst.edu>
To: qrp-1@Lehigh.EDU
Subject: [60892] WM-2 Thanks!
Message-ID: <v04003a01b4acf625fa73@[128.193.171.131]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To all who responded, Thanks! I found the web site.

Date: Thu, 20 Jan 2000 09:31:11 -0800
From: Bill Jones <kd7s@psnw.com>
To: gsurrency@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60893] Re: ZM-2 discussion
Message-ID: <3887465F.47999F22@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I double Gary's kudos for Dan Tayloe and his LED SWR design. I use it in my backpacking transceiver because it's extremely light weight, accurate and inexpensive to build. Best yet, it works. So Dan, please accept my thanks, too.

gsurrency@juno.com wrote:

>

> Gang,

>

> When you're using the LED SWR indicator, just remember that it was our
> fellow ScQRPion Dan Tayloe N7VE who came up with that great little
> circuit. It *does* bring back some of the old time radio tune-up
> procedures that is so lacking in today's modern gear.
>
> So thank you Dan. It's a neat little idea you had there! :-)

--

==--==--==--==--==--==--==

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>

==--==--==--==--==--==--==

Date: Thu, 20 Jan 2000 10:37:37 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [60894] QRP Afield and QRPTTF
Message-ID: <388747E1.D7DFC5E9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was wrong. Allen K7GT and Jay WA5WHN were quick to point out my error.

QRP Afield is sponsored by Dave Benson, NN1G as a NEQRP Club function.
QRP To The Field is the NorCal event.

Poor memory....blame it on age, :-)

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Thu, 20 Jan 2000 12:44:09 -0500
From: "Jim, WD9EYB" <wd9eyb@butler.indiana.net>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [60895] Mounting AD8361 - Soldering by Microscope
Message-ID: <38874969.1D96@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Digikey has a Surfboard that looks like it might take the AD8361.
On page 499 of the January - March 2000 Catalog, near the bottom
of the page, Fig. 6 - Model 33106, Digikey P/N 33108CA-ND, \$2.80.

Jim, WD9EYB

Date: Thu, 20 Jan 2000 12:52:43 -0500
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discusion" <qrp-l@Lehigh.EDU>
Subject: [60896] Fw: BCK
Message-ID: <200001201753.MAA62484@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have been hearing that signal here in Va. the last few
mornings around 1130Z. Yesterday, there was a XE1J
calling CQ on the same frequency but my 500mw did
not reaise him. hee hee

72...Dan, N4ROA, in Gate City, Va.

> From: Jay Bromley <w5jay@alltel.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: BCK
> Date: Wednesday, January 19, 2000 9:59 PM
>
> Gang does anyone know what the station on 1.812 sending BCK is, where,
and
> why??
> 73 de w5jay..
>

Date: Thu, 20 Jan 2000 12:53:16 -0500
From: "Jim, WD9EYB" <wd9eyb@butler.indiana.net>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [60897] AD8307
Message-ID: <38874B8C.2045@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Luke, VK3EM, has pointed out the AD8307 is also a neat chip.

It's log whereas the AD8361 is linear.
The AD8307 data sheet has a neat application circuit, figure 39,
that measures 1 uW to 1KW. Wow!

Jim, WD9EYB

Date: Thu, 20 Jan 2000 12:53:32 -0500
From: "KC1DI-DOR" <ELBC@PIVOT.NET>
To: <Jim.Golden@hmsc.orst.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [60898] Re: WM-2
Message-ID: <003701bf636f\$81859c00\$2011a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Jim Golden" <Jim.Golden@hmsc.orst.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, January 20, 2000 12:10 PM
Subject: WM-2

> Hi folks,
>
> I'm new to the net, and am a proud owner of a ZM-2. I wired mine up wrong
> the first time, made corrections after getting help from the manufacture
> and it works!
>
> My question is, what is the WM-2?
>
> thanks!
>
> Jim KK7EM
>
>

Hi Jim,
Welcome aboard,
The WM-2 is a very good Qrp Watt meter offered in Kit form from Oak Hills
Research. Here's the Web page
<http://www.ohr.com/>

73 ,Dave Kc1di
qrp/psk31

Date: Thu, 20 Jan 2000 10:05:19 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@lehigh.edu
Subject: [60899] XCVR: toroid winding help needed for RHR40/NC20.
Message-ID: <38874E5F.2B44@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The RedHotRadio 40 has progressed to the point where I am about to wind the toroidal transformers for the rx stages. T2 and T3 in particular. The pictures in the manual are not clear. Could someone help me get the windings on the correct way? I assume that the winding is essentially the same as for the club kit NC20.

I wound all the toroids for the K2 without incident, so I can do it. I just need to know how to put the link over the main winding and how the leads of the main winding come off the core. I have looked at the NC20 instruction manual on RHR website and still am coming up blank.

Please respond privately to either agtaylor@llnl.gov or k7gt@aol.com

Thanks!

Allan K7GT

--
Allan Taylor agtaylor@llnl.gov

Date: Thu, 20 Jan 2000 13:05:43 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [60900] CONTEST: QRP Calendar - This Weekend
Message-ID: <3.0.6.32.20000120130543.007c18c0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP CALENDAR

JANUARY 22/23, 2000

~~~~~  
ARRL VHF Sweepstakes ... QRP Portable Category

Jan 22 - 1900z to Jan 24 - 0400z

<http://www.arrl.org/contests/announcements/01vhfss.html>  
~~~~~

AND LATER

~~~~~  
CQ WW 160-Meter DX Contest (CW) ... QRP Category

Jan 28 - 2200z to Jan 30 - 1600z

Rules: <http://www.cq-amateur-radio.com/160rules99.html>  
~~~~~

UBA DX Contest (Belgian) (SSB) ... QRP Category

Jan 29 - 1300z to Jan 30 1300z

Rules: <http://www.uba.be/Engels/framesgb.htm>
~~~~~

New Hampshire QSO Party (All) ... QRP Category

Feb 5 - 0000z to Feb 6 - 2400z

Rules: [http://www.nhara.nhradio.org/qso\\_index.html](http://www.nhara.nhradio.org/qso_index.html)  
~~~~~

Vermont QSO Party (All) ... QRP Category

Feb 5 - 0000z to Feb 6 - 2400z

Rules: <http://www.sk3bg.se/contest/vtqp.htm>

~~~~~  
10-10 Int. Winter QSO Party (SSB - Ten Meters) ... QRP Category

Feb 5 - 0001z to Feb 6 - 2400z

Rules: <http://listserv.lehigh.edu/lists/tenten-1/rules.html>  
~~~~~

FBY0 Winter QRP Field Day (CW/SSB) ... QRP Contest!

Feb 5 - 1400z to Feb 6 - 0200z

Rules: <http://www.extremezone.com/~ki7mn/fybo2k.htm>
~~~~~

Minnesota QSO Party (All) ... QRP Category

Feb 5 - 1400z to 2400z

Rules: <http://www.rossiya.net/mnqsorules.htm>  
~~~~~

AGCW Straight Key QSO Party (CW) ... QRP Category

Feb 5 - 1600z to 1900z

Rules: <http://www.sk3bg.se/contest/agcwskpw.htm>
~~~~~

Maine QSO Party (All) ... QRP Category

Feb 5 - 1300z to Feb 6 - 0700z

Rules: <http://home.sol.no/~janalme/rules/qsome.txt>  
(Note: Announcement uncertain. Please confirm if possible.)  
~~~~~

Adventure Radio Society - Spartan Sprint (CW) ... QRP Contest!

Feb 8 - 0200z to 0400z

Rules: http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html

~~~~~  
72 de ~~~QRP Contest Calendar~~~  
Ken Newman - N2CQ <http://www.njqrp.org/data/contesting.html>  
Woodbury, NJ  
N2CQ@ARRL.NET ~~~WQ2RP NJQRP Club Station~~~

-----  
Date: Thu, 20 Jan 2000 10:09:35 -0800  
From: Jim Golden <Jim.Golden@hmsc.orst.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [60901] Sierra and PSK31  
Message-ID: <v04003a04b4acffbb3bc7@[128.193.171.131]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

To the group:

I also use a Sierra cw transciever and have successfully listened to PSK31 QSO's. My question is, has anyone managed to modify the Sierra to send PSK31? I would assume you would have to have SSB. The easy fix would probably be to trade up to a K2!

Jim KK7EM

-----  
Date: Thu, 20 Jan 2000 13:16:04 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n5zgt@swcp.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [60902] Re: Letter to the FCC, not I believe O.T....  
Message-ID: <00c901bf6372\$afdb620\$9001a8c0@wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I read the proposal, and I too found it to be very well written. I agree that regardless of how you feel, everyone should read this petition.

I see some things I agree with, and some I don't. Unfortunately, I see the petition as being perceived as just prolonging the fight over the CW change, which is a shame, as they do bring up some other very thoughtfull issues.

Again, everyone should read it.

I plan on sending my letter off to the FCC as well.

Mike

> Tom, and Fellow QRPers,  
>  
> Good letter. You may be interested in <http://www.qsl.net/n5l1f/>,  
where  
> there is  
> a VERY VERY well written petition of reconsideration to the FCC's  
> recent report and order on Amateur restructuring. I've printed it and  
have  
> created a page with signature slots, and am going to let people sign  
it  
> at an upcoming swapfest Albuquerque is having.  
> Check out the page and perhaps separately mention this petition  
when  
> sending your letter to the FCC. Spread the word about the petition,  
too,  
> and  
> don't waste too much time since the commenting period ends in the  
beginning  
> of February.  
>  
> 72,  
> Brian, N5ZGT  
  
>

-----  
Date: Thu, 20 Jan 10 13:20:45 -0500 (GMT+5)  
From: wd9eyb@butler.indiana.net

To: qrp-1@lehigh.edu (QRP List)  
Subject: [60903] Somedays Linear, Somedays Log  
Message-ID: <200001201820.NAA26380@butler.indiana.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

When measuring power I think somedays I want to be linear and somedays log. When tweaking my transmatch or setting my output to exactly 0.95 W, I think I want to be linear. When measuring an antenna pattern or filter response I want to be log.

Jim, WD9EYB

-----  
Date: Thu, 20 Jan 2000 18:44:53 -0000  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: <Normk9nk@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [60904] Re: Going Solar  
Message-ID: <00f101bf6376\$731c79c0\$f7a632d4@kar2722i>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Somewhere on my web site there is a circuit for monitoring battery charging using solar energy. Sorry I haven't enough energy myself to search it out in the 11 MB of stuff there! I will if you can't find it though (when I have had a rest after typing this!).  
Have a nice day.

Snooze....

Frank G3YCC GQRP 042  
QRP web pages: <http://www.g3ycc.karoo.net>

-----  
Date: Thu, 20 Jan 2000 10:59:27 -0800  
From: Marv Fagenson <k6hcyj@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [60905] email address  
Message-ID: <20000120.105928.-205717.1.k6hcyj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Sorry to disturb BUT: I need the email address for Mike Czuhajewski,  
WA8MCQ, please.

72

Marv Fagenson  
k6hcj@Juno.com

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 20 Jan 2000 13:02:54 -0600

From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [60906] Solar Chargers

Message-ID: <0974781F4FC8D211A24600902727E80624E51C@saturn.rose.cc.ok.us>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Check This Out,

The 1991 ARRL Handbook has an excellent article and circuit on using Solar to charge batteries. The article is on page 6-37. If anyone would like to have a copy of this, send me a business size SASE along with one green stamp to cover copying costs. If you think one green stamp is too much, consider the cost of paper, ink, wear & tear on the copier, my time and gas running to the post office and it won't seem so bad. (Mmmm maybe one green stamp isn't enough)

The article also appeared in the August 1980 QST.

Hal - WB9VMY

Rt 1 Box 7894

Chandler, Oklahoma 74834-8951

-----  
Date: Thu, 20 Jan 2000 11:21:56 -0800

From: "John Moriarity" <k6qq@hdo.net>

To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [60907] Re: Using 75 ohm CATV for feedline

Message-ID: <002101bf637b\$b2cefca0\$e8424cd1@k6qq>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> If you cut your feedline at a multiple of a 1/2  
> wave (on the lowest band for a multi band antenna) then  
> your rig will see a 50 ohm load...

If, and only if, the antenna is a true 50 ohm load.  
Otherwise, the rig will see whatever the antenna impedance  
really is.

This only holds true on bands that the feedline is an even  
number of half-waves long. For example, if you cut the  
coax for 20 meters, it won't work that way on 15 meters.

72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395. \*Really\* Northern CA.

-----  
Date: Thu, 20 Jan 2000 14:28:42 -0500  
From: "KC1DI-DOR" <ELBC@PIVOT.NET>  
To: <Jim.Golden@hmsc.orst.edu>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [60908] Re: Sierra and PSK31  
Message-ID: <002601bf637c\$983d1e20\$d510a1d0@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Jim Golden" <Jim.Golden@hmsc.orst.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 20, 2000 1:09 PM  
Subject: Sierra and PSK31

> To the group:

>  
> I also use a Sierra cw transciever and have successfully listened to PSK31  
> QSO's. My question is, has anyone managed to modify the Sierra to send  
> PSK31? I would assume you would have to have SSB. The easy fix would  
> probably be to trade up to a K2!  
>  
> Jim KK7EM  
>  
>  
Can't do it with a CW rig Jim.. gotta have SSB. But it's a blast and very  
good weak signal mode..

hope to hear you on psk31 one of these days  
73 Dave Kc1di

-----  
Date: Thu, 20 Jan 2000 13:34:33 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [60909] FAA Beacon ?  
Message-ID: <0974781F4FC8D211A24600902727E80624E51D@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Gang,

I also have heard it about a 119 in Warwick, OK. Since the FAA is here in  
OKC, I'll give them a call and see what they have.....more later.

Hal

-----  
Date: Thu, 20 Jan 2000 14:35:40 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:ELBC@PIVOT.NET" <ELBC@PIVOT.NET>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group  
<QRP-L@Lehigh.edu>  
Subject: [60910] Re: WM-2  
Message-ID: <200001201438\_MC2-9576-2E78@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Dave and Jim:

Actually the product is now available from Milestone Technologies (Marshall Emm) , who bought out OHR a few months ago. Here is their web page:

[mgemm@mtechnologies.com](mailto:mgemm@mtechnologies.com)

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----  
Date: Thu, 20 Jan 2000 14:45:06 EST  
From: K1DXradio@aol.com  
To: qrp-1@lehigh.edu  
Subject: [60911] Re:HW8 bitz (Broken rotor)  
Message-ID: <f7.6f7110.25b8bfc2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Copy of note sent to Andrew:

Andrew, I had that happen with an HW-8 that I'd shipped UPS. It is repairable. Using thin, long-nose pliers, carefully press each plate back into the grooved shaft. Even if the phenolic strip is broken, it isn't needed. In fact, the phenolic strip can easily cause the plates to fall off if tuned beyond the normal "stop" when forcing beyond full mess or full open. If the phenolic is still attached, note how the plates should mesh. BTW, only the plates adjacent to the stator plates need be re-installed. I put a bit of epoxy on the plates at the brass grooved rotor shaft, but it may not really be necessary. With the plates back in position, you will have to re-calibrate the VFO. I've done this a couple of times and it works perfectly.

72/73 - George, K1DX

-----  
Date: Thu, 20 Jan 2000 14:53:43 -0500 (EST)  
From: James Skalski <jskalski@localnet.com>  
To: Jim Golden <Jim.Golden@hmsc.orst.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [60912] Re: WM-2



Message-ID:

<Pine.LNX.4.20.0001201449030.2969-1000000@valhalla.valhalla.buffalo.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The WM-2 is the latest rendition of a qrp wattmeter offered by OHR  
/milestone tecnology

It is an excellent addition to your qrp setup. It will enable you to stay  
"QRP-legal" :) and for experimenting with QRPP. It is also a good kit  
that new kit builders can successfully complete with the minimum of tools.

Have fun.

73,

Jim n2go

On Thu, 20 Jan 2000, Jim Golden wrote

> Hi

>

> I'm new to the net

> My question is, what is the WM-2?

-----  
Date: Thu, 20 Jan 2000 13:55:47 -0600

From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Cc: "'K5DH'" <k5dh@raytheon.com>

Subject: [60913] FS: TEN-TEC SCOUT

Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8758@ucusmail.spectrapoint.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Hello dudes and dudettes - -

I posting this for long time qrp'er (but non-list member) Dean, K5DH.

FOR SALE: Ten-Tec Scout with microphone and band modules for 80, 40, =  
20,

17, and 10 Meters. Light wear on the cabinet, but the panel, knobs, =  
meter,

display, and microphone are in fine shape. There are no apparent

If you have questions, please reply directly to Dean at < k5dh@ raytheon.com >.

Brad, W5CGH

[illegible]

|                    |                      |            |
|--------------------|----------------------|------------|
| NORTEX             | NORCAL               | QRP-L #377 |
| SMIRK #4906        | QRP-ARCI #           | ARS #72    |
| Austin QRP Club #i | Alaska QRP Club #350 |            |

Gentlemen,

Transmitter is a 25 watt transmitter with an upper side-band ID offset +.00102 Hz. The ERP of this system is between 2.5 to 4.0 watts. I was told that this NDB is usable only out to 15 miles for navigational purposes

because no one can hear it any farther than that. When I told the "man in charge" of navaides that I was picking up the 5th harmonic in Oklahoma City area, he said that he was going to have to write this one up in his "unbelievable" record book. When I told him that we hams were picking this up all over the country he was shocked. This NDB is owned and operated by the City of Black River Falls, WI. I told him that it really wasn't causing any interference to us, but that it might be causing problems at lower harmonics at close range.

WE ARE REALLY GOOD! Our equipment and antennas must be really doing a fine job guys. We are pushing the limit on technology and human ability on this one. Being a pilot for many years, I know. Please drop me an email on any reports on this beacon and others that may be heard in the 160 meter band. This is just too good!

-----  
Date: Thu, 20 Jan 2000 14:21:03 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [60915] More BCK  
Message-ID: <0974781F4FC8D211A24600902727E80624E520@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Oops, the offset is + 1020 Hz, not .00102 Hz

Hal

-----  
Date: Thu, 20 Jan 2000 14:26:55 -0600  
From: Michael Melland <badger@vbe.com>  
To: qrp-1@lehigh.edu, homebrew@qth.net  
Subject: [60916] HB: ECG235/SK3197 for qrp ?  
Message-ID: <38876F8F.B64BA473@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I was doing some more scrounging today and a local guy who used to do commercial radio repair gave me two large coffee cans full of diodes (mostly top hats) and vintage transistors....mostly new. I have quite a few new ECG235 (GTE Sylvania) and SK3917 (RCA's - cross to ECG235 or 236) T0220 HF power amps

Specs on the ECG235 packages: P.O. = 5w min. @ 50 Mhz

IC = 3A  
HFE = 40  
BVCO = 65v  
BVCE = 65v  
BVEBO = 4v  
PT = 12w  
FT = 200 Mhz

The RCA SK3197's are rated: PT = 20w

IC = 6A  
Vcbo = 90v  
Vceo = 55v  
Vebo = 4v  
hFE = 70  
fT= 100 Mhz

These are labeled CB Power Output, AM Mode. Anyone ever used these for qrp stuff ? They appear to have been pretty expensive in the late 70's as they are each marked \$10.55. Scrounging pays off..... he he he --

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal,  
NJ-QRP #214, Cheeseheads QRP Club  
CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----  
Date: Thu, 20 Jan 2000 14:42:07 -0600  
From: Michael Melland <badger@vbe.com>  
To: qrp-l@lehigh.edu  
Subject: [60917] HB: Nice, Easy & Handy RF sampler  
Message-ID: <3887731F.780D18D3@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I found this on K6LS's web page ( <http://www.qsl.net/k6ls/> ) and after several email to and from him built two of them this morning to use with my scope and spectrum analyzer. They are really great for qrp projects like viewing keying wave forms etc..... run the RF out of the rig into the RF Input of the sampler... the BNC "T"..... and then from the "T" into your dummy load. Hook the RF Test Output BNC of the sampler to

your test instrument and there ya go..... works FB! The schematic and pic's of this very easy build is on his web site.

I hesitate to add that it is usable to 100 w..... as long as your instrument can handle the voltage. My Tek 7603 with 7A26 vert amps had no trouble..... it is 5 v per division max.

REPEAT..... know the maximum input voltage your test instrument can handle and DO NOT exceed it ! Use an attenuator if necessary. This shouldn't be a problem for any qrp measurement I can think of off hand but..... usual disclaimer !

Thought the experimenters among us might like to see this..... pretty useful little gadget.

73 de Mike

--  
Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal,  
NJ-QRP #214, Cheeseheads QRP Club  
CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----  
Date: Thu, 20 Jan 2000 20:51:29 +0000  
From: Bryan Koen <bryan@koen.net>  
To: qrp-l@lehigh.edu  
Subject: [60918] Pixie?  
Message-ID: <20000120205129.A18803@genesis.koen.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I am sure this has been covered here already. But, I logged on to [www.e-etc.com](http://www.e-etc.com) today and they have closed their doors.

Who will be carrying the Pixie Kits now?

Thanks,  
Bryan Koen  
N0YKN

-----  
Date: Thu, 20 Jan 2000 12:58:17 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: <w3fpr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [60919] Re: Tuner ZM-2.  
Message-ID: <002f01bf6389\$14544680\$e8424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> What you say is true - in fact somewhere out in cyberspace there is  
info on  
> a "tuner" created by switching additional lengths of 450 ohm feedline  
onto a  
> parallel fed antenna. It is not on L. B. Cebik's site - I just  
checked.  
> Anyway, it is a neat tuning method for balanced line - and much more  
> efficient than the popular antenna tuners, and being switchable, it  
can  
> serve on multiple frequencies. Maybe someone will tell us where to  
find it.

I don't remember the URL, but it is on Cecil, W6RCA's Web page.

72,

John, K6QQ

-----  
Date: Thu, 20 Jan 2000 13:29:25 -0800  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'k6bnc (Bill Chambers at Yamaha)'" <bill\_chambers@yamaha-motor.com>, "'ad6cw  
(Jim Lowman at home)'" <jmlowman@ix.netcom.com>,  
      "'ad6hr (Barry Geipel at home)'" <bgeipel@primenet.com>, "'kd6cc (Roger  
McCarty)'" <rmccarty@earthlink.net>, "'kf6ml (Sam Imai)'" <kf6ml@pacbell.net>,  
Subject: [60920] New Test Out!  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5A7E@hq-expo2.filenet.com>

Wow the new upgrade test is here already. Now we are waiting for the CW  
test.

Please PRINT (that means no squiggly lines)

YOUR NAME (what they call you) \_\_\_\_\_

ADDRESS (where you live) \_\_\_\_\_

BIRTH DATE (when you were born) \_\_\_\_\_

## EXAM

Instructions: Make a circle (one of these round things O ) around the letter of the best answer! This is so we know what your answer to the question is!

1. You TALK into a microphone with your \_\_\_\_\_.

- A. Hands
- B. Feet
- C. Toes
- D. Mouth
- E. Armpits

2. When you talk into a microphone, you talk into \_\_\_\_\_.

- A. the front
- B. the back
- C. the top
- D. the bottom
- E. the wire

3. "HEADPHONES" are worn over the \_\_\_\_\_.

- A. Knees
- B. Eyes
- C. Toes
- D. Ears
- E. Lips

4. What do you do with the AC line cord coming out of a power supply?

- A. Hold it in the air to pick up signals
- B. Pull on it to start the motor
- C. Talk into the plug to get real "skip DX"
- D. Hook it to your antenna
- E. Insert the plug into a source of power

5. A "two meter" radio is:

- A. twice as strong as a one-meter radio
- B. two one-meter radios in series
- C. a CB with two meters on the front panel
- D. a good doorstop
- E. a monoband radio

6. A "ten-foot mast" is how long?

- A. Three meters
- B. Ten pounds
- C. Two meters
- D. Tree-top tall
- E. Same length as basketball hoop is high

7. A "Triband antenna" is made to work on how many bands?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 10

8. The "Marconi" antenna is named after:

- A. Marconi
- B. Mantovani
- C. macaroni
- D. Dean Martin
- E. yo mama

9. What colors of DIODES can you buy at a Radio Shack store?

- A. Red, blue and black
- B. Red, yellow and green
- C. Orange and brown
- D. I am colorblind so this is a discriminatory question and I should automatically get a waiver on this question.
- E. I have no intention of ever using DIODES, so don't care what color they are.

10. What color of SLURPEE can you buy at 7-11?

- A. Red, blue and black
- B. Red, yellow and green
- C. Orange and brown
- D. I am colorblind so this is a discriminatory question and I should get another waiver on this question. I now have two questions right.
- E. All the above



END OF EXAM.

YOUR SIGNATURE (slap yo tag here)

-----

Scoring:

Get FOUR correct and you get an EXTRA!!!!

Get THREE right and you get an ADVANCED!!!!

Get TWO right and you get a GENERAL!!!

Get ONE right and you get a TECHNICIAN!!!

Get None right. Go back out in parking lot and study another five minutes. When you are done, come back in and retake the test.

-----

Date: Thu, 20 Jan 2000 16:34:07 -0500

From: Sam Billingsley <SBillingsley@usaninc.com>

To: "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>

Cc: bryan@koen.net

Subject: [60921] RE: Pixie?

Message-ID: <66FCE0D1DF76D311913800805F6D0FA3582781@MAILSERVER1>

MIME-Version: 1.0

Content-Type: text/plain

Try

Halted Specialties Corporation. A free call: 1-800-4-HALTED

Sam AE4GX

-----

Subject: Pixie?

From: Bryan Koen (bryan@koen.net)

Date: Thu Jan 20 2000 - 15:51:29 EST

I am sure this has been covered here already. But, I logged on to [www.e-etc.com](http://www.e-etc.com) today and they have closed their doors.

Who will be carrying the Pixie Kits now?

Thanks,

Bryan Koen

N0YKN

-----

Date: Thu, 20 Jan 2000 17:14:39 -0500  
From: Laura Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-l@lehigh.edu  
Subject: [60922] Re: Scanning articles and posting to WWW might bring trouble  
Message-ID: <4.2.0.58.20000120170637.009b8740@madrox>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Much of this is just common sense. For example, I flatly refuse to provide photocopies of articles from books and magazines that I know are readily available. If something is genuinely obscure I'll consider a request, but only as a desperate last resort.

Just because something is published somewhere like England or France does not make it obscure: that's what telephones and email are for. Just because you can't afford to buy it doesn't make it obscure either: if I can afford it, so can you.

There always seem to be bales of Ham Radio magazines at swap meets, so it falls into the "readily available" category, IMHO.

Laura Halliday VA3LDH    "Que les nuages soient notre pied  
Grid: FN03gs                    a terre..." - Hospital/Shafte

-----  
Date: Thu, 20 Jan 2000 17:36:52 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: qrp-l@Lehigh.EDU  
Subject: [60923] Re: Using 75 ohm CATV for feedline  
Message-ID: <200001202237.RAA27205@sparticus.bright.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

There is also a way to use a short lenght of 50 ohm feed line and an eqaul length of 75 ohm feed line to match the 75 ohms to 50 ohms on one band. That way you don't have to have 1/4 wave of sixty whatever ohms as a quarter wave xfmr. If anyone is really interested I will dig up the info from a back issue of NCJ the lengths were something like .018 wavelength. It does work - I use them on several long runs of 3/4 " hardline at our local radio club going to monobanders on towers some distance from the shack.

73 - Bill - N8ET  
Kanga US  
kanga@mail.bright.net  
<http://www.bright.net/~kanga/>

419-423-4604

-----  
Date: Thu, 20 Jan 2000 15:45:36 -0700  
From: "Francis Callahan" <colcal@srv.net>  
To: <wphinizy@filenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [60924] Re: New Test Out!  
Message-ID: <002301bf6398\$12b39100\$45de070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

GREAT and that is just about what the new test will be THE NEW MOTTO OF AMERICA IS "DUMB IT DOWN " 72 Cal KF7ET

----- Original Message -----

From: "Phinizy, William" <wphinizy@filenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, January 20, 2000 2:29 PM  
Subject: New Test Out!

> Wow the new upgrade test is here already. Now we are waiting for the CW  
> test.

>

>

> Please PRINT (that means no squiggly lines)

>

> YOUR NAME (what they call you) \_\_\_\_\_

>

> ADDRESS (where you live) \_\_\_\_\_

>

> BIRTH DATE (when you were born) \_\_\_\_\_

>

> EXAM

>

> Instructions: Make a circle (one of these round things O ) around the  
> letter of the best answer! This is so we know what your answer to the  
> question is!

>

>

> 1. You TALK into a microphone with your \_\_\_\_\_.

>

> A. Hands

> B. Feet

> C. Toes

- > D. Mouth
- > E. Armpits
- >
- > 2. When you talk into a microphone, you talk into \_\_\_\_\_.  
>
- > A. the front
- > B. the back
- > C. the top
- > D. the bottom
- > E. the wire
- >
- > 3. "HEADPHONES" are worn over the \_\_\_\_\_.  
>
- > A. Knees
- > B. Eyes
- > C. Toes
- > D. Ears
- > E. Lips
- >
- > 4. What do you do with the AC line cord coming out of a power supply?  
>
- > A. Hold it in the air to pick up signals
- > B. Pull on it to start the motor
- > C. Talk into the plug to get real "skip DX"
- > D. Hook it to your antenna
- > E. Insert the plug into a source of power
- >
- > 5. A "two meter" radio is:  
>
- > A. twice as strong as a one-meter radio
- > B. two one-meter radios in series
- > C. a CB with two meters on the front panel
- > D. a good doorstop
- > E. a monoband radio
- >
- > 6. A "ten-foot mast" is how long?  
>
- > A. Three meters
- > B. Ten pounds
- > C. Two meters
- > D. Tree-top tall
- > E. Same length as basketball hoop is high
- >
- > 7. A "Triband antenna" is made to work on how many bands?  
>
- > A. 1
- > B. 2
- > C. 3

> D. 4  
> E. 10  
>  
> 8. The "Marconi" antenna is named after:  
>  
> A. Marconi  
> B. Mantovani  
> C. macaroni  
> D. Dean Martin  
> E. yo mama  
>  
> 9. What colors of DIODES can you buy at a Radio Shack store?  
>  
> A. Red, blue and black  
> B. Red, yellow and green  
> C. Orange and brown  
> D. I am colorblind so this is a discriminatory question and I  
> should automatically get a waiver on this question.  
> E. I have no intention of ever using DIODES, so don't care what  
> color they are.  
>  
> 10. What color of SLURPEE can you buy at 7-11?  
>  
> A. Red, blue and black  
> B. Red, yellow and green  
> C. Orange and brown  
> D. I am colorblind so this is a discriminatory question and I  
> should get another waiver on this question. I now have two questions right.  
> E. All the above  
>  
> END OF EXAM.  
>  
> YOUR SIGNATURE (slap yo tag here)  
> -----  
>  
> Scoring:  
> Get FOUR correct and you get an EXTRA!!!!  
> Get THREE right and you get an ADVANCED!!!!  
> Get TWO right and you get a GENERAL!!!  
> Get ONE right and you get a TECHNICIAN!!!  
> Get None right. Go back out in parking lot and study another five  
> minutes. When you are done, come back in and retake the test.  
>  
>

-----

Date: Thu, 20 Jan 2000 15:25:08 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [60925] Re: Using 75 ohm CATV for feedline CORRECTION  
Message-ID: <011201bf639d\$97ca5c20\$e8424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> This only holds true on bands that the feedline is an even  
> number of half-waves long. For example, if you cut the  
> coax for 20 meters, it won't work that way on 15 meters.

I screwed up!! This should say ANY number of half-waves  
(or an even number or QUARTER-waves) long.

Otherwise, the statement stands.

(Thanks, Karl)

72,

John, K6QQ

-----  
Date: Thu, 20 Jan 2000 15:07:07 -0800  
From: Marv Fagenson <k6hcj@juno.com>  
To: qrp-1@Lehigh.edu  
Message-ID: <20000120.154348.-422297.1.k6hcj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

great big TU everyone for ur help w/ Mike's Email adr. Musta gotten 14  
responses. Whatta group!  
72 and more  
Marv Fagenson  
k6hcj@Juno.com

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----

End of QRP-L Digest 1706

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